

The **CHEMIST AND DRUGGIST**

For Retailer, Wholesaler and Manufacturer

AUGUST 3 1957

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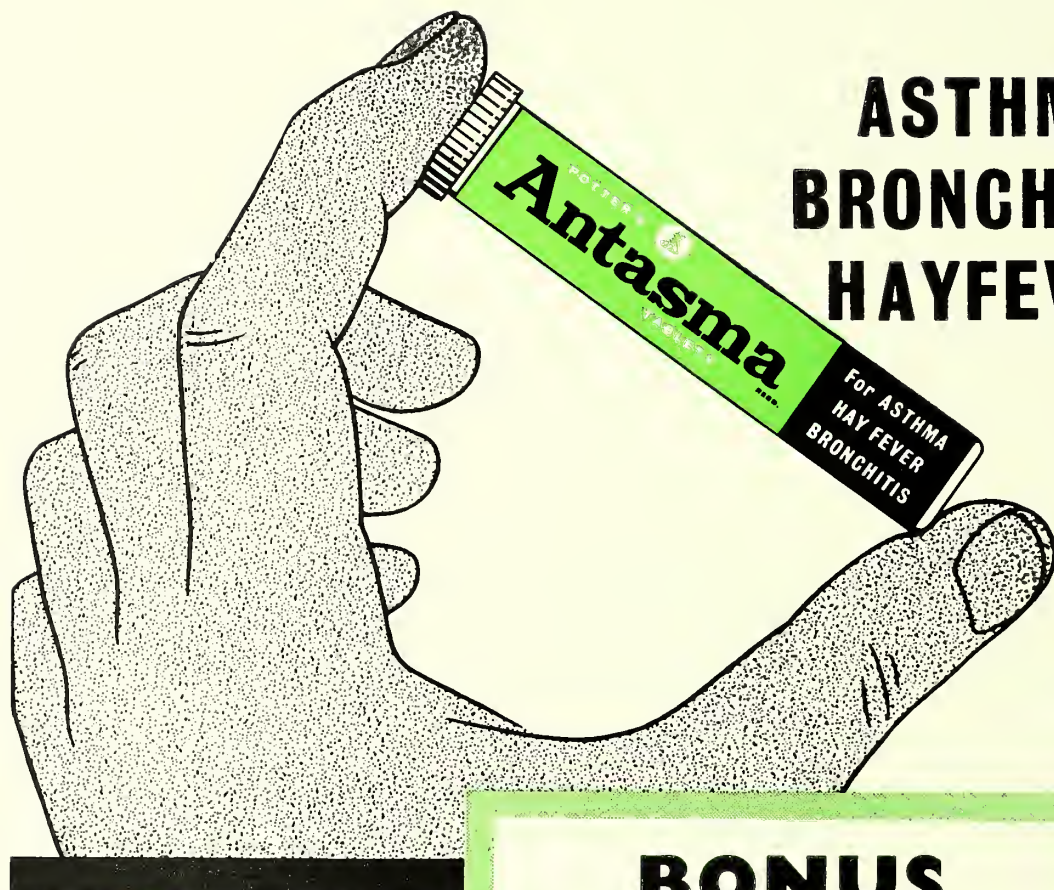
TERMS

Retail price 3/6

Under 3 dozen—18/9 per doz.

3 dozen and over—16/9 per doz.

ORDER TODAY!



ASTHMA BRONCHITIS HAYFEVER

Potter's

introduce a **NEW** asthma preparation in tablet form.

Asthma sufferers today expect a form of relief that is immediate. Something that can be taken any time, anywhere. Potter & Clarke Ltd., whose name has so long been associated with asthma remedies, now introduce Potter's ANTASMA, a tablet preparation. This form of ON-THE-SPOT TREATMENT is the outcome of intense research and tests have shown it to be unusually quick and effective in its results. A sure seller, Potter's ANTASMA is sold in single phials or in a large economy carton holding three.

Trade enquiries for the Republic of Ireland should be addressed to:—
Lilmar Pharmaceutical Ltd., Santry,
Dublin.



Sole Proprietors and Manufacturers:

POTTER & CLARKE LIMITED · RIVER ROAD · BARKING · ESSEX · RIPPleway 3041

BONUS OFFER

Introductory BONUS TERMS through WHOLESALE-
SALERS ONLY are available for an indefinite
period. The bonus is based on MINIMUM
QUANTITIES of 2 dozen cartons of the small
size together with one dozen of the large size,
packed in an attractive display outer.

ONE CARTON IN EVERY DOZEN FREE

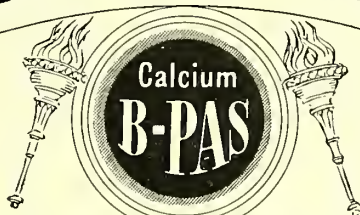
PRICES	WHOLESALE	RETAIL
SMALL SIZE (1 phial—12 tablets)	14/3 per dozen plus P. Tax = 18/6	2/-
LARGE SIZE (3 phials—36 tablets)	36/- per dozen plus P. Tax = 46/9	5/-

**THROUGH WHOLESALE-
SALERS ONLY PLEASE**



FORMULA: Each tablet contains:
EPHED. HYDROCHLOR. B.P. 5.46% w/w.
CAFFEIN. 10.92% POT. IOD. 12.28%
THEOPHYLL. C. AETHYLENEDIAM. 21.84%
PHENACET. 21.84%
CALC. GLUCON. 21.84%.

CHEMOTHERAPY OF TUBERCULOSIS



WANDER

the newest proven modification of PAS for safe, acceptable, convenient and therapeutically reliable performance in combined regimens with Isoniazid.

B-PAS (Wander), 4-benzoylamino-2-hydroxybenzoate, first introduced by our Research Laboratories in 1948, is an acknowledged contribution to tuberculotherapy.

ADVANTAGES

CALCIUM B-PAS (Wander) is virtually insoluble.
It provides high blood levels of extended duration.
It is practically tasteless.
It is well tolerated and best suited for domiciliary use.

MULTIPLE PRESENTATION FOR COMBINED REGIMENS

CALCIUM B-PAS (Wander) is available as such in two convenient forms: Powder and Cachets. Content in each form is ranged so that the daily regimen is simplified. The 3.5 g. Powders taken with a draught of water or milk are especially acceptable. For combined regimens of B-PAS and INAH, 'B-PASINAH' Powders and Cachets according to preference supply the advantage of concurrent therapy in readily acceptable form which practically ensures the patient's co-operation in carrying out instructions.

PACKINGS

CALCIUM B-PAS **WANDER**

Powders: Tins of 150 and 500 x 3.5 g. envelopes
Cachets: " " 80 and 400 x 1.0 g.
Sodium B-PAS (Wander) also available in 1.5 g. Cachets

'B-PASINAH' (B-PAS plus Isoniazid)

Powders: Calcium B-PAS (Wander) 3.5 g.
Isoniazid 87.5 mg.
Tins of 150 and 400
Cachets: Calcium B-PAS (Wander) 1 g.
Isoniazid 25 mg.
Tins of 100 and 500

Price details of all forms of PAS from the Medical Dept.

'PASINAH' Cachets of 1.5 g. Sodium PAS and 17, 25, 33 or 50 mg. Isoniazid also available.
Tins of 100 and 500.

All Wander tuberculostatic products are available from usual wholesalers or direct from

A. WANDER LIMITED

42 Upper Grosvenor Street, Grosvenor Square, London W.1

CANADA: A. Wander Ltd., Peterborough, Ontario, AUSTRALIA: A. Wander Ltd., Devonport, Tasmania, NEW ZEALAND: A. Wander Ltd., Christchurch, INDIA: Khatau Valabhdas & Co., Indian Globe Chambers, Fort Street, Fort, Bombay, 1. PAKISTAN: Grahams Trading Co. (Pakistan) Ltd., P.O. Box. 30, Karachi. CEYLON: A Baur & Co. Ltd., Colombo.



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 of the retail chemist trade
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 Queen of Fairheads and the Queen of Brunettes to
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 — flying by K.L.M. luxury airliner.
 Friday September 27th to Tuesday October 1st
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One of your sales girls may well have the lovely hair—fairhead or brunette—which will win this chance of a lifetime.

ALL SHE HAS TO DO—

is to send a snapshot or photo taken within the last twelve months, showing her glistening, healthy hair.

ALL YOU HAVE TO DO—

is to undertake to display a Glamorous Hair Competition Showcard in your shop during the competition, and free your sales girl for the weekend of the Luxembourg trip if she wins.

**WE WILL ARRANGE ALL
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 ON YOUR BEHALF.**



Our representatives have the entry forms with full details, but if they have not yet had a chance to call on you, we will send them direct.

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OVER 150 YEARS REPUTATION
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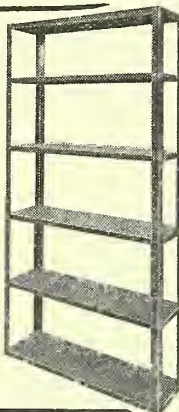
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Bismuth Aluminate is indicated in the treatment of all forms of dyspepsia. It is the most effective and economical bismuth salt yet discovered for this purpose.

Our representative will be pleased to call upon you with detailed literature and price list.



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The New Nerve Nutrient

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A new GENERAL SEDATIVE with
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Each tablet contains:

Phenylethylbarbiturate of Quinidine: 0.10 gm.

A new, crystalline salt of high purity, stable and with definite physical characteristics.

Tube of 20 Retail price 10/2½
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Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times.

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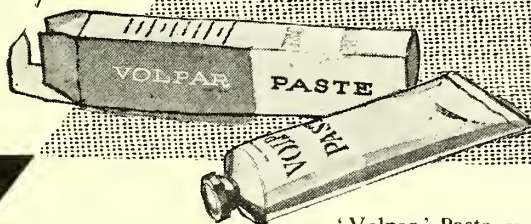
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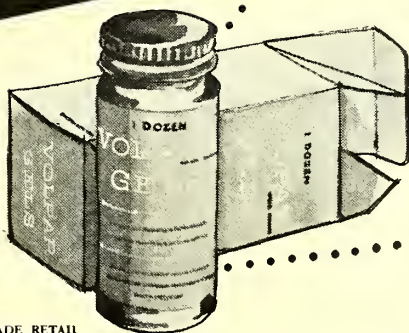
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TRADE MARK
GELS AND PASTE

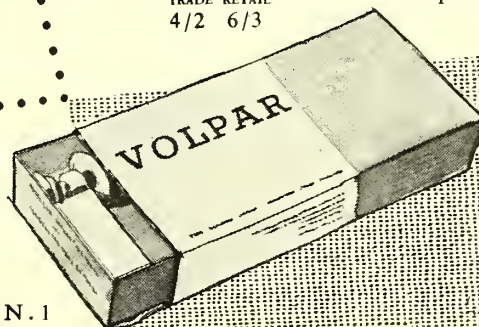


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4/2 6/3



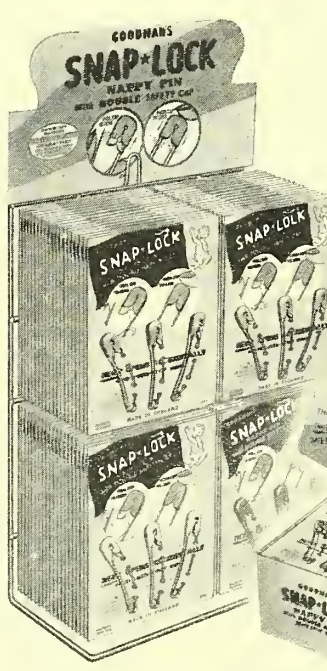
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SNAP-LOCK
HAPPY PIN
WITH DOUBLE SAFETY CAP



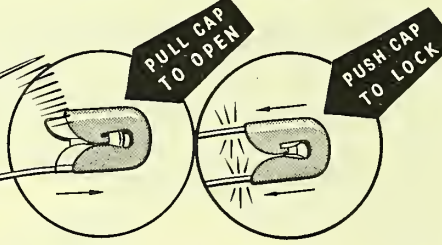
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STAINLESS STEEL

SNAP-LOCK

NAPPY PIN



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CANNOT OPEN ACCIDENTALLY**

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Amylobarbitone Sodium B.P.C.
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There's a growing demand among those who care for their hair for this new natural Rosemary Shampoo. Specially prepared by Heath & Heather to include Essence of Rosemary which has been used for generations as an aid to hair beauty.

It strengthens and cleanses the hair leaving it soft and silky, and is a deterrent against Dandruff.

Lose no time! Stock up now with this natural aid to hair beauty so that your display can coincide with the I.T.V. and national press advertising now in progress.

See that you get full benefit from the advertising of this shampoo with a difference.

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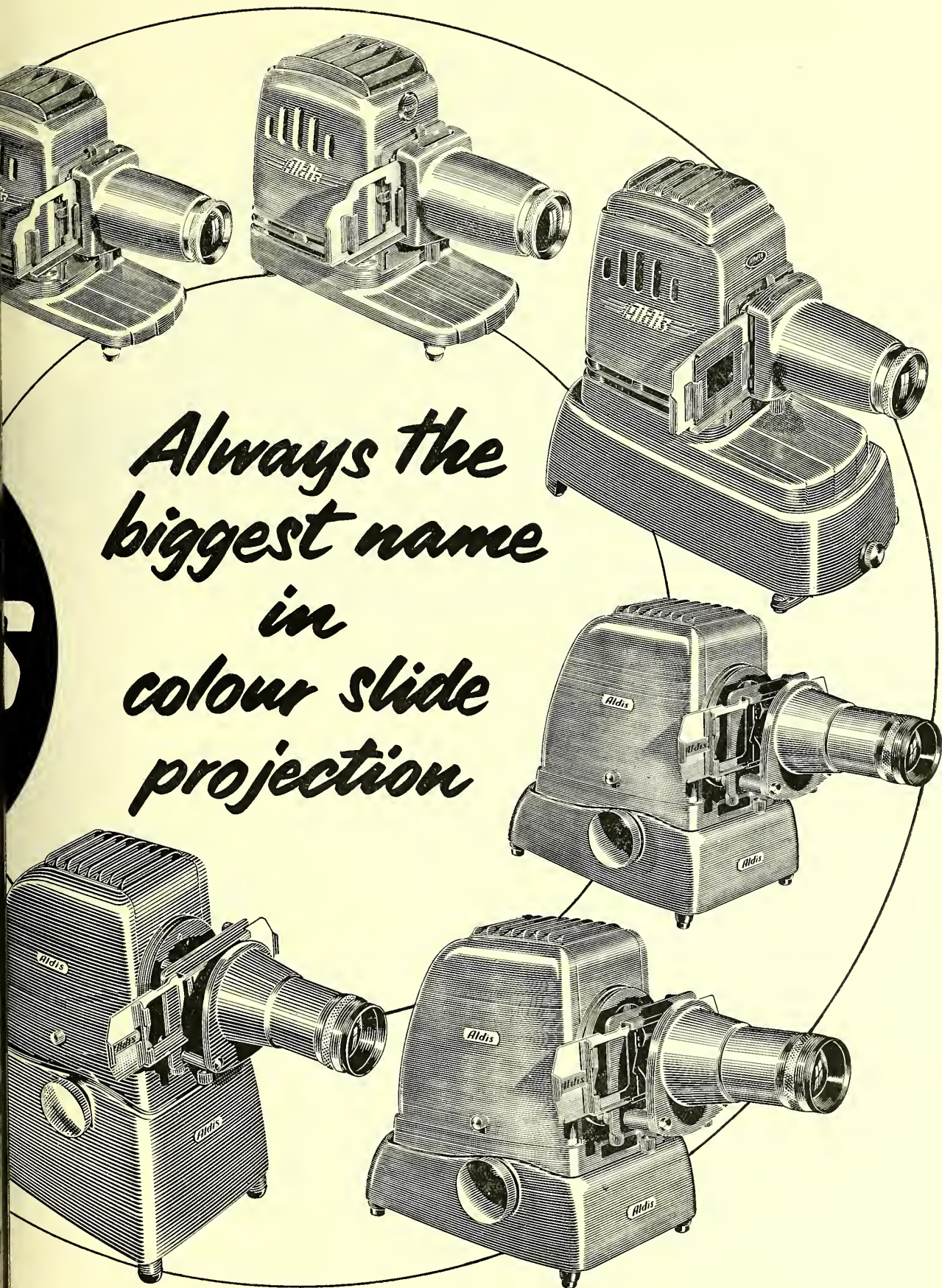
Behind every Aldis is more than half a century's optical experience: this is the firm who designed the first wide-aperture anastigmat lens in 1910, who produced the now world-famous Aldis Day-light Signalling Lamp, whose projectors are in use in every country of the world, and in greater numbers than all other makes combined.

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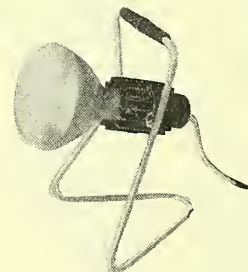
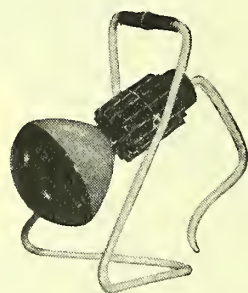
Philips Infra-red **INFRAPHIL**

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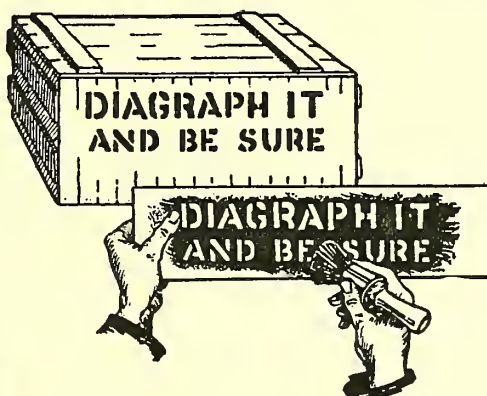


*please ask for
shade indicator*

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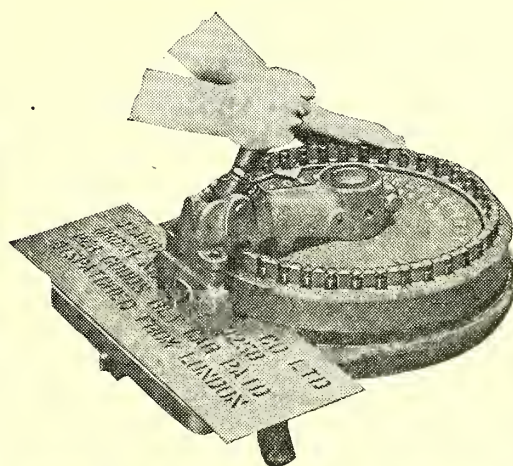
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Sold by Chemists everywhere, and made by W. J. Rendell Ltd, Hitchin, Herts., who will be pleased to send full explanatory literature in a plain envelope, on request.

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When ordering Rendells you may find it convenient to use this Prescription Form. Simply cut it out and hand it to your chemist. Please supply 1 box of Rendells (price 3/6)

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that kept her alive . . .
in hospital . . .
is
the complete food,
drunk from a cup,
that builds her up
at home.



They're valuable customers for Complan, the many people who owe so much to it and never tire of singing its praises—but they're only a tithe of the total. Every day you serve many customers to whom you could also sell Complan, and you can recognise many by their appearance and by what they ask for. They include the dyspeptics who cannot or do not eat enough normal food: the expectant and nursing mothers who need extra nourishment: the elderly whose diet is often not

varied enough: and those who are obviously buying for invalids or poorly children at home. To all these, and more, Complan is the complete nutritional answer.

Complan

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The complete food

In 1 lb. cartons. Face price 4/2. Trade price 40/- per doz.



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DINDEVAN

An enquiry into a number of atypical reactions following the administration of tablets of phenindione has brought to our notice tablets labelled with the name DINDEVAN which were not in fact of our manufacture.

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We further give warning of our intention in cases of wrongful use of the Trade Mark DINDEVAN to take such action as we consider necessary to protect our Trade Mark rights. This will be done in the interests of the patient, the prescriber and ourselves.

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insecurity
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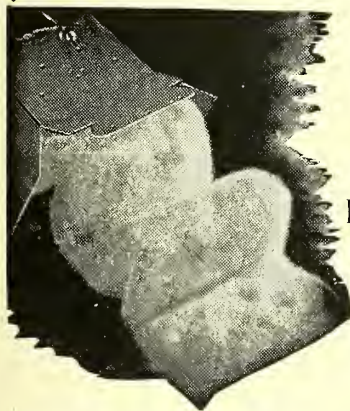
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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and
all sections of the drug, pharmaceutical and
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

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August 3, 1957

No. 4041

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The CHEMIST AND DRUGGIST

Volume 168

AUGUST 3, 1957

No. 4041

Welfare Foods

DANGER OF EXCESS VITAMIN INTAKE

THE risk of over-dosage of vitamin D arising from the widespread use of proprietary vitamin preparations is emphasised in the report by a medical committee on welfare foods published on July 30.

The committee affirms its belief that excessive intakes are not rare and points out that some mothers look upon vitamin preparations as a tonic without realising that a child can have too much vitamin D. Drawing attention to the potential dangers and to the absence of any statutory control of the sale of such preparations the committee recommends that the vitamin D content of cod-liver oil, still to be provided under the welfare foods scheme to the age of five, should be cut by half and that the fortification of vitamin D in national dried milk should be reduced from 280 international units to 100. The level of vitamin D in infant cereals should be reduced to 300 i.u. instead of 1,000 and orange juice with vitamin C should not be provided for children over two years, as scurvy is almost non-existent after that age. The committee agreed that orange juice supplies for expectant and nursing mothers should be continued. The report shows that only a minority of families take their quota of welfare foods. In 1955 only 30 per cent. of those entitled to took their orange juice, 19 per cent. cod-liver oil and 32 per cent. vitamin tablets. There was a clear relationship between social status and consumption. Children whose parents were better off and better educated were taking the highest proportion. The report (of the standing medical advisory committees of the Central and Scottish Health Services Councils) is obtainable from H.M. Stationery Office, price 2s.

A Conference "Extra"

A THEATRE PERFORMANCE AFTER ALL

THE Theatre Royal, Bristol, announces that, during the week of the British Pharmaceutical Conference meeting (September 2-6), the Bristol Old Vic Company is giving at the theatre performances of Dylan Thomas's "Under Milk Wood." The Local Conference Committee believes that many visitors unable to attend the banquet on Tuesday evening (owing to the limited number of seats available) may wish to see the famous company in the historic theatre. The Committee is undertaking to act as agent in obtaining tickets for the Tuesday evening, or — for those Conference visitors who prefer to return early enough from the all-day excursion on Wednesday—the Wednesday

evening performance. Applications for tickets, accompanied by cheque to cover their cost (orchestra stalls 8s. 6d. and 13s. 6d.; dress circle 7s. and 8s. 6d.), should reach the secretary (Mr. E. George, F.P.S., 24 Cote Lea Park, Westbury-on-Trym, Bristol), not later than first post on August 16.

Atomic Energy

THIRD ANNUAL REPORT

THE recently published third annual report of the United Kingdom Atomic Energy Authority states that sales of radioisotopes continued to increase during 1956-57. The total value of sales was about £541,000, of which £154,000 was from the Isotope Division at Harwell and £387,000 from the Radiochemical Centre at Amersham. That total represents an increase of 12 per cent. over the previous year. The Grove Airfield site, which is now known as the Wantage Radiation Laboratory, has been occupied in part by the Technological Irradiation Group which has carried out experiments on heat-sensitive materials, including drugs, bones and arteries used for surgical transplants. There is also a small programme of research on radiation effects on plant genetics and the control of insect pests. Close collaboration with industry is maintained and eight companies have seconded staff to work at the Laboratory. At a Press conference introducing the Report, Sir John Cockcroft (director, Atomic Energy Research Establish-

ment, Harwell) affirmed that among the eight companies some were pharmaceutical.

Synthetic Oestrogens

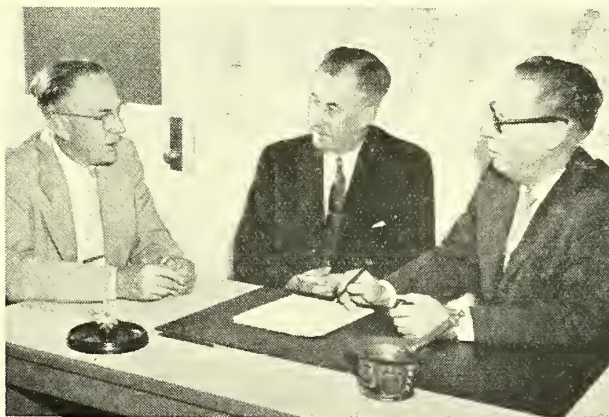
DEMAND FOR INCLUSION IN S.4

PHARMACISTS had agreed to recommend that customers asking for synthetic oestrogens over the counter should be referred to their doctor, said DR. S. N. SCOTT (a member of the British Medical Association's council) at the annual representative meeting of the Association held at Newcastle-on-Tyne on July 15. He was moving a remit back to council of a motion by DR. J. P. SPARKS that synthetic oestrogens should be included in schedule 4 of the Poisons Rules. There was a danger, said DR. SPARKS, that the prolonged administration of oestrogens could be carcinogenic. DR. SCOTT said that a committee had gone into the matter and although there was some evidence of abuse it was insufficient to justify a recommendation that the synthetic oestrogens should be put on schedule 4. The matter was remitted to council.

Travelling Fellowships

CARLSBERG-WELLCOME AWARDS

THE awards of Carlsberg-Wellcome Travelling Fellowships for the academic year 1957-58 have now been made. Mr. J. Berger (the Danish Fellow), a member of the teaching staff of the organic chemistry department at the Denmark Pharmaceutical College, is studying techniques of organic ultramicro-analysis with Dr. R. Belcher in the chemistry department at Birmingham University, and Dr. S. P. Lapage (the British Fellow), who is a trainee member of the Public Health Laboratory Service, is working at the State Serum Institute, Copenhagen, on the biochemical and serological identification of enterobacteriaceae.



U.S. DISCUSSIONS ON BRITISH EXPANSION: Mr. J. A. Freeman (centre), deputy managing director of Parke, Davis & Co., Ltd., Hounslow, England, discusses future expansion plans with Mr. T. C. Anderson (vice-president and director of production and engineering, Parke, Davis & Co., Inc.), and Mr. W. Richard Jeeves (vice-president and director of overseas operations) during a recent three-week visit to Detroit.

Squibb Foundation

SCIENTIFIC RESEARCH AND STUDY

ESTABLISHMENT of a Squibb Foundation which will sponsor scientific research and study was announced in London recently by Sir Roland Robinson (chairman, E. R. Squibb & Sons, 18 Old Bond Street, London, W.1). The foundation, to be a charitable organisation, will finance symposia and co-operate in studies of medical and scientific subjects, publish reports and support scientific research, co-operate in industrial and pharmaceutical education and support post-graduate work in pharmacy and other sciences.

A New Medical Service?

DOCTORS' SCHEME OUTLINED

A PLAN for a medical service outside State control was described at the annual representative meeting of the British Medical Association held in Newcastle-on-Tyne on July 15.

The programme has not yet had the approval of the council of the B.M.A. but it will eventually be considered by a committee that is being set up by the B.M.A. to investigate the Health Service. The seven main points of the scheme are that it should be free from party political control, that it should be financed partly by contributions from patients and partly by Government contributions out of general taxation, that it should include a list of drugs free to everybody, outside which medicines would be paid for by the patient either directly or indirectly, that practitioners should have the right to engage in private practice outside the system, that remuneration might be on an "item of service" basis, that the service should be under the control of a politically independent board or corporation responsible to the Privy Council, and that provision should be made for the case of the old and indigent without any financial burden on the patient.

IRISH NEWS

THE REPUBLIC

Examination Results

TWENTY-SIX NEW LICENTIATES

OF sixty-one candidates who sat for the July Licence examination held by the Pharmaceutical Society of Ireland, the following were successful: Helena M. Behan, Clare Brady, J. C. Britton, H. C. Egan, J. P. A. Fehily, Anna M. Fitzgerald, E. Foley, J. M. B. Heneghan, Mary E. C. Joyce, K. Kenny, M. J. Knox, Philomena M. McGuinness, Mary B. McHugh, J. F. Mulligan, Una M. Mullooley, J. Murphy, Mary J. O'Brien, M. A. O'Connell, Hannah M. O'Connor, Margaret M. O'Connor, Sarah E. O'Neill, J. V. Parsons, J. P. Power, J. R. Sleator, J. P. Twiggs, Johanna P. Waters. The following passed the Assistants' examination: P. P. Brady, J. J. Coleman, Elizabeth Guckian, Philomena F. Hughes, M. Maxwell, Mary T. O'Boyle, L. Ronaghan.

EXAMINATION RESULTS

Successful candidates in England and Wales

THE following candidates satisfied the examiners in the Pharmaceutical Chemist Qualifying examination held by the Pharmaceutical Society in England and Wales in July († = Certificate withheld pending evidence of practical training or age):—

†Adams, Patricia A., Manchester
 †Allen, D. N., Norwood
 Allen, E., Rugby
 Bainbridge, Constance E., Liverpool
 †Baker, B. J. D., Dudley
 †Baker, J. A., Heston
 Ball, P. G., Cirencester
 †Bastow, T. J., Chichester
 Baxter, C., Hinckley
 Bishop, Ann, Swinton
 Blackburn, Mary D., Hanwell
 Blake, Shirley K. A., Dartford
 †Bliss, H. D., Willesden
 Booth, Norma W., Newcastle
 †Bray, Jill, Ashford
 †Butterworth, Audrey, Manchester
 †Carter, A. P., Eastbourne
 Chapell, R., Plymouth
 †Chapman, L. W. J., Brighton
 †Chown, Sonia G. H., Gosport
 †Clarke, B., Salford
 †Coles, P., Rushden
 †Collins, J., Hoddesdon
 Collins, T. G., Harrow
 †Collumbine, Marie P., Rotherham
 Conn, R. R., Portland
 Cook, B. J., Shepton Mallet
 Cook, D. H., Wirral
 †Core, W. K., Ormskirk
 Craig, Clare, Ramsgate
 †Croucher, J. A., Bristol
 Cruickshank, Jean L., St. Neots
 Cubbin, Norma I., Liverpool
 Dalal, R., Salford
 Davies, G. M., Tredegar
 †Davis, G., Leicester
 Dawson, W. H., Margate
 Deeprose, Janet D., Enfield
 Dennis, M. R. H., Bracknell
 Dessoy, M. B., Worcester Park
 †Didsbury, B., Manchester
 Dorfman, Marian R., Liverpool
 †Drake, J. K., Southport
 Edwards, J. E., Hounslow
 Elliott, R., Letchworth
 Evans, Eilir, Blaenau Ffestiniog
 Fenn, J. H., Cheshunt
 Fink, Brenda, Manchester
 Flood, Dorothy M. D., Southampton
 †Galuba, Zofia, Lee
 †Gandhi, M. T., Dar-es-Salaam
 †Garraway, D. B., Stroud
 Garrood, B. P., Leigh-on-Sea
 Garvey, C. H., Bristol
 Grant, B. C. A., Anerley
 Gyang, E. A., Bloomsbury
 †Hammond, D. A., Manchester
 Hampson, K., Fleetwood
 †Hancock, Patricia D., Manchester
 Harney, Jean, Bredbury
 Harvey, J., Malvern
 Hay, Brenda M., Blackpool
 Head, J. E., Swindon
 †Healey, M. P., Sheffield
 Hemingway, B. J., Sheerness
 Hilton, A., Rochdale
 Hodgson, Margaret J., Dartford
 Holliday, G. W., Wirral
 Holme, A., Oldham
 †Hood, Dorothy M., Leicester
 Horrocks, J. R., Carnforth
 Hughes, A. F., Warrington
 Hughes, T., Holywell
 Hunt, Angela M., Manchester
 Hurst, G. J., Coventry
 †Hurst, L. M., Plymouth
 †Ibbotson, J. G. M., Castleford
 †Ingham, Rosemary A., Dolgelly

James, D. R., Aberdare
 †Jardine, H. D., Birmingham
 †Johnson, Celia M., Grimsby
 Jones, J. E., East Finchley
 Jones, Patricia R., Bedford
 Jones, R., Ammanford
 †Kirby, I., Tisbury
 Lane, J. A., Stourbridge
 Lawson, D. S., Chester
 Lewis, A., Liverpool
 McWilliam, R., Huntly
 Marsh, Brenda M., Bolton
 †Meadows, W. J. S., Coalville
 Meltzer, H., Salford
 †Milnes, J., Bradford
 Mitchell, G. B., Hailsham
 †Moodley, S. V., Natal
 Morgan, T. G., Brixham
 Morley, J. P., Chellaston
 Mortimore, T. C., Babbacombe
 †Munton, Joan E., Hinckley
 Newall, Audrey B., Wallasey
 †Newgrosh, S. P., Salford
 †Nicholson, Shirley A., Manchester
 Nightingale, Abigail, Derby
 †Omotoso, C. F. A., Hove
 Osborne, J. P., Cleethorpes
 Pannell, Olive M., Chancellorsford
 Park, D. W., Crowborough
 Parkin, B. J., Ilkeston
 Parkin, D. A., Heage
 Patel, U. G., Sunderland
 Peel, Shirley, Sutton-on-Forest
 †Perks, G. A., Maidstone
 Perry, C. E., Burton-on-Trent
 †Phillipson, J. D., Manchester
 Phillipson, N. R., Boston (Lincs)
 Pilcher, E. J., Hythe
 Powrie, A. F., Bexleyheath
 †Preece, K. W., Ferryside
 †Preston, K. St. J., Slough
 Pullen, N. A., Whitton
 †Purcell, Ann, Polegate

Purchase, Enid C., Leicester
 Rawle, R. P., Cheadle Hulme
 †Reddish, J. E., Sherwood
 †Roberts, E. H., Nottingham
 Roberts, Shirley T., Beeston
 Robinson, Sheila H., Manchester
 Ryan, Joy, Manchester
 †Sagoe, T. E. C., Knightsbridge
 Scarborough, R. F., Grimsby
 †Scollick, D. M., Blackpool
 †Segal, F. T., Romford
 Shah, S. M., Hendon
 Simpson, F., Earls Court
 †Smethills, R., Rhyl
 †Smith, D. B., Burnley
 †Smith, L. C. B., Widnes
 Speed, M. T. J., Bath
 †Starmer, G. A., Manchester
 Steeples, A., Sheffield
 Stevenson, P. D., Teddington
 Stoker, P., Southport
 †Stubbings, Lesley J., Manchester
 †Suffling, Audrey H., Norwich
 Taylor, A. D. J. C., Epsom
 Taylor, R., Doncaster
 Tyrer, G. R., Stockport
 †Ward, Patrocino T., Birmingham
 Warner, J. H., Ruislip
 Watson, K., Swansea
 †Weekes, J., Sittingbourne
 †Whitehouse, D. J., Walsall
 †Whitfield, C. R., Peel
 †Wilkinson, E. H., Wigan
 Williams, Patricia, Evesham
 †Williamson, J. H. M., Victoria
 Wiseman, Rachel E., Liverpool
 †Wolfe, Lorna, Horndean
 †Worley, B., Leicester
 †Wormleighton, Paula H., Leicester
 Worrall, J. L., Manchester
 Yates, G., Manchester
 Zimmel, G., Manchester

SCOTTISH NEWS

Tuberculosis Treatment

PLAQUE COMMEMORATES PIONEER WORK

THE first clinic in the world dedicated to the fight against tuberculosis was opened at 13 Bank Street, Edinburgh, in 1887. To commemorate the centenary of the birth of its founder (Sir Robert Philip) a plaque was unveiled at the Bank Street premises on July 26. It was at the age of thirty, said Mr. Walter Elliot, M.P., who performed the unveiling ceremony, that Philip founded the Edinburgh tuberculosis dispensary. Sir Philip, who died in 1939, was a great pioneer whose teachings, with their emphasis on prevention of spread within a family and the segregation of the patients, were later incorporated into anti-tuberculosis measures throughout the world. It was not until 1890 that Calmette established a similar dispensary in Lille, while London did not possess a tuberculosis clinic until 1909.

NEWS IN BRIEF

THE first "festival of films in the service of industry" is being opened by Lord Mancroft at Harrogate on October 9.

THIEVES who recently broke into the pharmacy of Sidney Bastow, Ltd., North Street, Chichester, stole six cameras and a small sum of money.

THREE cameras were stolen recently from the pharmacy of Mr. J. D. Brewer, M.P.S., High Street, Knaphill, Surrey, by a man who smashed the shop window with his fist.

IN 1956 total sales of plastics materials reached the record figure of 1.2 million tons, 16 per cent. higher than in 1955 and between three and four times the figure for 1950.

IN a recent "town of flowers" competition at Shrewsbury, Salop, Boots, Ltd., Pride Hill, won the cup for the best dressed premises with over 40 ft. frontage and also the championship cup.

WORLD Health Organisation reports indicate that outbreaks of Asian influenza remain mild everywhere, with practically no deaths. In most countries affected during June the epidemic is diminishing in intensity.

SHOPS Act inspectors are reporting that more prosecutions are being instituted and warnings given over traders' failure to display the necessary notices under the Act than over any other type of contravention.

THE technical sessions at the second international conference on the peaceful uses of atomic energy, which is being held in Geneva in September 1958, include the following subjects: Production and uses of isotopes and ionising radiations in research, medicine, agriculture and industry; dosimetry; biological effects of radiation; and radiological protection.

SPORT

GOLF.—MANCHESTER PHARMACEUTICAL GOLFING SOCIETY v. BIRMINGHAM BRANCH OF THE PHARMACEUTICAL SOCIETY, GOLFING SECTION, at Hawkstone Park, Salop, on July 21. Annual match for Lilo and B.D.H. trophies. Birmingham were the winners by one stroke.

TOPICAL REFLECTIONS

By Xrayser

The Average Pharmacist

THE loss of a month's prescriptions in the post is a serious matter for the contractor, as the details of a whole month's outlay and work vanish overnight. In the case referred to on p. 89, the management committee of the Executive Councils' Association (England) is to be commended for its protest to the Ministry of Health. It appears that the contractor was able to produce figures to prove the number of prescriptions which were in the bundle, and that the Staffordshire Executive Council had carefully devised what was considered a fair method of payment in the circumstances. To arrive at an average price per prescription, in the absence of the actual evidence, it was decided to take the contractor's own average over the two months prior to, and the two months subsequent to, the loss as the basis for averaging. The Ministry of Health has refused to accept the method, and will not pay on the basis of the declared number of prescriptions. The whole process of averaging seems to be habit-forming, and it may yet have to be referred to the body which deals with addiction. It seems that the Ministry refuses to recognise an absolute number for the missing forms and insists on averaging that as well. This it proceeds to do by taking the known *number* of forms for two months before and two months after the disaster, and by averaging *that* figure so as to find an average for a number which was in fact already known. That is surely the last straw in averaging. The theorists have had their own way for too long. The wholly unbusinesslike and unjust guesswork must cease. There is no excuse for any system of averaging after nine years. Is there any other form of goods and services in this country which is paid for in the same absurd way?

Father's Footsteps

THE statement by a correspondent to the effect that no pharmacist today would do anything to encourage his son to follow the career of his father is one deserving of consideration. While making every allowance for the strong feeling which undoubtedly exists, it may be that there is today less coercion used on the part of the parent in any walk of life. Where there has been in the past a well-established family business, it was expected that, as a natural course, the son would follow the same career. Indeed it was so taken for granted that the young man was hardly consulted in the matter. I recall some of my own generation, who had neither desire nor natural aptitude for a particular calling, finding themselves willy-nilly enchained from the moment school loosed its hold on them. Much greater freedom of choice is granted today, and with the later school-leaving age a young man has time to show his capabilities and inclinations in a more specialised way before having to commit himself. But, allowing for all that, there has always been the father who, if he were a pharmacist, a doctor or a teacher, would rather his son became anything other than he himself had become. The classic example was that of the sailor who left his ship and walked inland with an oar on his shoulder. His declared intention was to continue his march until someone asked him what the strange object was that he was carrying. There, he decided, was the place to marry, settle down and raise a family.

Advertising

THE article on p. 104 dealing with the different methods of approach to the medical profession on the part of drug manufacturers gives an indication of the importance of correct handling of the human material to be influenced. There is every need for a knowledgeable approach, and it is not sufficient merely to be able to repeat a carefully prepared statement. A busy professional man like the doctor deserves the professional help and information of a trained man who has the necessary qualifications, and many of the foremost firms regard the pharmacist as the most suitable for the purpose. It is in such matters that a knowledge of pharmacology is essential, and the modern pharmacist is being given the necessary background to that subject.

COMPANY NEWS

Last year's figures in parentheses.

ASPRO-NICHOLAS, LTD. — The following have been appointed associate directors:—Dr. A. E. Alcock, Mr. N. C. Blackman, Mr. L. W. T. Lane, Mr. I. M. Maclay, Mr. D. W. H. Waite, Mr. R. R. Walker, and Dr. L. F. Wiggins.

MONSANTO CHEMICAL CO., St. Louis, U.S.—During the first half of 1957 earnings amounted to \$1.03 per share (against \$1.02). "A substantial increase" in this year's sales over the 1956 results is expected, while earnings should be within the same range as last year. (In 1956, sales of \$541,883,000 produced a net income of \$1.80 per share.)

MALTA WHOLESALE DRUG CO., LTD.—The shareholding of the company was recently reorganised to allow more chemists to become shareholders, as a consequence of which 60 per cent. of the Island's chemist-retailers now hold 75 per cent. of the company's shares. Founded as a private company in 1930 it became a limited liability company in 1951 with chemists holding 48 per cent. of the shares.

GRIFFITHS HUGHES PROPRIETARIES, LTD.—With the directors' report and accounts for the year ended March 31, the chairman (Mr. C. B. Green) states that the growth in weight of taxation of company profits is quite alarming. The higher taxation of £267,996 (£225,804) (see *C. & D.*, July 6, p. 6) was entirely due to profits tax. Overseas business returned better figures in sales and profits than previously. A regular and increasing allocation is to be made for research.

INTERNATIONAL CHEMICAL CO., LTD. — The following appointments are announced: Mr. T. D. C. Cordner has been appointed managing director (home division); Mr. H. W. Miller has been appointed assistant managing director (foreign division); Messrs. H. L. Hamerton, M.P.S., and J. M. Cummings have been appointed to the board.

VITAMINS, LTD.—Subject to audit, the group's profit for the year to March 31, after all trading expenses but before charging United Kingdom tax of £167,579 (£82,659) and before allocating £100,000 (nil) for past service pensions, tax relief for which will be spread over future years, amounted to £357,988 (£188,828). Ordinary dividend, 17½ per cent. (15 per cent.).

New Companies

P.C. Private Company; R.O. Registered Office

MARIE HOLLAND, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in cosmetic preparations, etc. R.O.: Phoenix House, 19 Oxford Street, London, W.1.

SHIPMAN, DAVIES, LTD. (P.C.)—Capital £100. To carry on the business of chemists, druggists and librarians, etc. Directors: Emrys Davies, M.P.S., and John H. Verrall, M.P.S. R.O.: Stone Street, Cranbrook, Kent.

E. LUCAS-SMITH (PHARMACY), LTD. (P.C.)—Capital £1,000. To acquire the business of a pharmacy at

306 Trelawney Avenue, L.C.C. Estate, Langley, Bucks. Directors: Enid Lucas-Smith, F.P.S., and Henry Lucas-Smith.

BANNISTERS (CHEMISTS), LTD. (P.C.)—Capital £5,000. To carry on the business of chemists and druggists, etc. Directors: Ronald Bannister, F.P.S., Janet Bannister and Florence M. Rus-sam. R.O.: 2 Manor Row, Bradford, 1.

NORMAN H. BURNS (CHEMISTS), LTD. (P.C.)—Capital £4,000. To carry on the business of chemists, druggists, etc. Directors: Norman H. Burns, M.P.S., Amy W. Burns and Lois P. Burns. R.O.: 188 Old Lane, Beeston, Leeds, 11.

ADAM (IRELAND), LTD. (P.C.)—Registered in Dublin. Capital £5,000. To carry on the business of wholesale and retail dealers in perfumes, etc. Subscribers: Daniel Lynch and Brandan E. Boushel, 12 Ely Place, Dublin. The first directors are not named.

DERMASAN, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers, importers and exporters of and dealers in pharmaceutical preparations, cosmetics, etc. Directors: Richard Millett and John D. Eccles. R.O.: 85 London Wall, London, E.C.2.

SUPER CHEMICALS, LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals and chemical compounds of all kinds, etc. Solicitors: Israd Joslin & Co., 8 Southampton Row, London, W.C.1.

DENVER LABORATORIES, LTD. (P.C.)—Capital £100. To carry on the business of manufacturing, wholesale and retail chemists and druggists. Subscribers: Thomas N. Wilkie Melling, M.P.S., 15 Glebe Road, Barnes, London, S.W.13, and Kenneth K. Lacey.

OXYGENAIRE (IRELAND), LTD. (P.C.)—Registered in Dublin. Capital £10,000. To carry on the business of hirers and lenders of oxygen tents, oxygen supplies, etc. Directors: George W. Higgs, Stephen Sullivan, Patrick F. Baxter, Hubert McNally and Anthony F. Hussey.

D. J. STEVENS (CHEMISTS), LTD. (P.C.)—Capital £2,000. To carry on the business of distributors of drugs, etc. Directors: Dewi T. Williams, M.P.S., Sydney M. Hutchinson, M.P.S., and Donald J. Stevens, M.P.S. R.O.: 12 Novar Road, London, S.E.9.

F. A. QUINEY, LTD. (P.C.)—Capital £2,000. To acquire the business of Frederick A. Quiney, M.P.S., carried on at 50 Spring Lane, London, S.E.25, and to carry on the business of wholesale and retail chemists, etc. Directors: Frederick A. Quiney and Edith M. Quiney.

J. W. M. BAUGH, LTD. (P.C.)—Capital £5,000. To carry on the business of wholesale and retail chemists and druggists, etc. Directors: Hilda M. M. Baugh and Dorothy M. M. Baugh, M.P.S. Solicitors: De Font-blancue, Addiscott & Owles, 3 Gray's Inn Square, London, W.C.1.

BUSINESS CHANGES

FLEXILE METAL CO., LTD., are moving their registered offices to their new factory at Bessemer Drive, Stevenage, Herts, on August 5 (telephone: Stevenage 1491).

Appointments

BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8, have appointed Mr. A. J. Whelan their home sales manager (pharmaceuticals).

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

MR. J. K. VAUGHAN MORGAN (Parliamentary Secretary to the Ministry of Health) on July 24 told **COLONEL GLYN**, who asked about the prospects of an increase in the supply of home produced poliomyelitis vaccine, that Glaxo Laboratories, Ltd., Greenford, Middlesex, had decided to expand production by 50 per cent. on an undertaking by the Government that, for a period of at least a year from the time when the additional vaccine became available, and subject to the price being satisfactory, it would make a proportionate increase in the amount purchased. Burroughs Wellcome & Co., 193 Euston Road, London, N.W.1, were expected to come into production later in 1957. If those expectations were realised they should be able to consider a corresponding extension of the arrangements for vaccination which were at present restricted to children born between 1947 and 1956 but he emphasised that nothing in that field was predictable, either in Britain or elsewhere.

Radiations in Industry

MR. I. MACLEOD (Minister of Labour and National Service) told **MR. A. GREEN** in a written answer on July 24 that the preliminary draft of a code

of regulations to safeguard workers employed in industry against the effects of ionising radiation had been published.

[Factories (Ionising Radiations) Special Regulations, Stationery Office, price ninepence.]

Anthrax Inquiry

MR. I. MACLEOD (Minister of Labour and National Service) told **MR. D. M. KEEGAN**, in a written answer on July 24, that the following had agreed to serve, under the chairmanship of **MR. R. F. LEVY, Q.C.**, as members of the committee of inquiry into precautions against anthrax: **Professor A. K. Cairncross**, **Mr. T. Eccles**, **Mr. J. B. Solomon** and **Dr. A. J. H. Tomlinson**.

Poliomyelitis Vaccine

MR. J. K. VAUGHAN MORGAN (Parliamentary Secretary to the Ministry of Health) told **MR. S. P. VIANI** in a written answer on July 29 that during 1957 six cases of poliomyelitis, three of them paralytic, had been reported in England and Wales in children who had had injections of poliomyelitis vaccine. Enough vaccine had been issued to local health authorities in England and Wales for the vaccination of over a million children.

LEGAL REPORTS

Lease Appeal Succeeds

AT Llandudno county court, on July 18, Benjamin William Sefton, M.P.S., trading at 97 Mostyn Street, Llandudno, claimed the protection of the Landlord and Tenant Act, 1945, in an application for a new lease of the premises. Respondents were a Leeds shoe company. They hold the property, which forms part of a corner site, on a ninety-nine-year lease.

Mr. Sefton was stated to have had his shop created originally by partitioning off part of the corner property. He held a lease made in 1946. Respondents became the landlords in 1955 and were therefore not in a position, under the Act, to resist a new lease unless they wanted to carry out expensive reconstruction works. The respondents' case was that the shop was small and not in keeping with other properties in the area. The company wanted to make the ground floor larger, add an upper room and equip the premises with a smart modern shopfront. The shop would be worth a much higher rent if enlarged and modernised (a rental of £800 a year was mentioned). After an adjournment, it was announced that an agreement had been reached regarding a new lease. Mr. Sefton would remain in tenancy at the present rent until October 1, and from that date would be given a new lease at a rental of £500 a year for ten years. The respondents would enlarge the shop, but nothing would be done regarding a new frontage and the addition of an upper floor.

Imprisonment for Theft

SENDING George Stephenson Brown, M.P.S., aged sixty, 52 Squires Lane, London, N.3, to prison for twelve months on July 10 for stealing money from his employers, the Clerkenwell, London, magistrate said: "Regrettable as it is to see a qualified man in your position standing there in the position of a common thief, I can make no distinction between you and a man in a lesser position in life." He continued: "The fact is that you have stolen £900, at least, of somebody else's money. It is not a matter that can be dealt with in a light way." Brown had pleaded guilty to three charges of stealing £2, £3 and £2 at different dates from his employers; Auckland's Pharmacy, 96 Camden Road, N.W.1. A detective-sergeant said that, since 1953, Brown had been working as pharmacist-manager for Mr. Ian Macgregor Pickford, the owner of Auckland's Pharmacy, at a salary of £15 a week plus a 50 per cent. share of the net profits. After the books had been audited, and on information from the bank, he went to see Mr. Brown, who eventually admitted that he had been stealing money from the till since 1954, making false entries in the cash book. He put the total he had taken at about £900. That was at variance with the statement from the bank, which showed a loss of about £1,500. Brown told the magistrate: "I would like to have a chance to pay this back. I had offers of jobs at a higher salary but I stayed on with Mr. Pick-

ford as a matter of loyalty to try and redeem myself." THE MAGISTRATE: "To say it is a matter of loyalty is going a bit far, when you have been so disloyal for so long. Your loyalty seems to have consisted in continuing to take Mr. Pickford's money." Brown was sent to prison for six months on each charge, the second six months to be consecutive, the third concurrent.

Shop-lifting from Pharmacies

Two men and a woman, accused jointly at Hull, recently, of systematic shop-lifting, were stated to have operated "from chemist's shop to chemist's shop." Their system, it was alleged, was to enter a shop and ask to be supplied with a cough mixture — so that the assistant had to go into the dispensary. They then helped themselves to goods on display. The stipendiary magistrate passed prison sentences on each of the two men: Stephen Griffin, Daltry Street, Hull (six months), and Charles Ward Dunn, Campbell Street, Hull (four months). The woman, Edna Scarah, Daltry Street, Hull, was placed on probation for two years. All had pleaded not guilty. Prosecuting solicitor said that one day they went into five different pharmacies in Beverley Road, Cottingham Road and Newland Avenue. In each, having got rid of the assistant, they helped themselves to whatever they felt like taking. Defending solicitor said his clients might have acted in a peculiar manner, but there was no conclusive proof that they had stolen articles they were accused of stealing. A police officer said a search of the house occupied by Griffin and Scarah revealed seventeen different bottles which were labelled "oil of cloves." Each was about half full. He also recovered a camera and a quantity of cosmetics. Scarah, in evidence, admitted visiting chemists' shops, but denied having done so with dishonest intentions. Griffin, who denied stealing anything, said he acquired the large number of bottles of oil of cloves because nearly every time he went out he had to buy one for the relief of toothache. Dunn admitted accompanying the other two to the pharmacies but declared that he had not been concerned with anything anyone else might have done. He knew nothing about any thefts.

Breach but "No Wilful Disregard"

IN the Chancery Division of the High Court, London, on July 12, Charles Alexander & Co., Ltd., Portsmouth Road, Surbiton, Surrey, applied by motion for leave to issue a writ to sequester the property of Devon Cold Wave Co., Ltd., Norfolk Place, London, W.2, and to commit Mr. Daniel Devon, that company's managing director, to prison for contempt of court in breaking an undertaking given to the court on May 17. For plaintiffs it was represented that the parties were manufacturers of equipment and materials for ladies' hairdressing and that, in January 1956, the defendants had given an undertaking (C. & D., May 25, 1957, p. 561) not, among other things, to use

on labels or advertisements the words Pin Perm except when immediately preceded by the word Devon and immediately followed by the word lotion, which were to be displayed in defined sizes, with the word Devon the biggest. Since that undertaking, said prosecuting counsel, the defendants had issued an advertising circular to the trade in which in six places they had used the words Pin Perm by themselves, in breach of their undertaking, which constituted an absolute ban on the use of the words alone in advertisements. Counsel for defendants submitted that the undertaking did not prohibit the defendants from using the words "pin perm" alone in a descriptive sense: plaintiffs had no right to the exclusive use of the words. The defendants had undertaken that, when using the words Pin Perm to denote their own particular product, they would only do so in conjunction with the words "Devon" and "lotion." The expression "pin perm" was commonly used in the trade. Counsel said defendants had changed their labels and advertisements following the undertaking. The circular was the only subject of complaint. There was one slip in it which was a breach of the undertaking, but it was due solely to inadvertence, and Mr. Devon, who took full responsibility, apologised. The judge said that in the circular the words "pin perm" had been used in such expression as "the pin-perm stakes" and "this fabulous new pin perm." Mr. Devon had thought such use innocuous and not subject to the undertaking. His lordship said he was prepared to accept that Mr. Devon did not realise how far-reaching the undertaking had been, but he had to construe the undertaking as meaning what it said. There had been a breach of it, but there had been no wilful disregard. He would make no order except that the defendant company and Mr. Devon must pay costs.

Pethidine Obtained Illegally

AT Guildford, Surrey, magistrates' court on July 8, William Mill Mitchell, 43 St. John Avenue, Putney, was placed on probation for two years for obtaining supplies of pethidine illegally. Mitchell, a former school teacher, had pleaded guilty to the charge two months previously. He had obtained the pethidine on prescription from a doctor without disclosing that he had already received a supply on prescription from another doctor. A condition of his probation was that he should attend a clinic for treatment for one year (see also C. & D., December 15, 1956, p. 649).

D.D. Entries Not Made

AT Peterborough city magistrates' court, recently, Herbert Stanyon, M.P.S., in business at 50 Lincoln Road, Peterborough, was fined £2 on each of eight charges of alleged failure to keep proper Dangerous Drugs entries. He was ordered to pay £6 6s. advocate's fee. Stanyon's manager (Allan Scott Hourie, Peterborough) was fined £2 on each of four similar charges. Both pleaded guilty.

PERSONALITIES

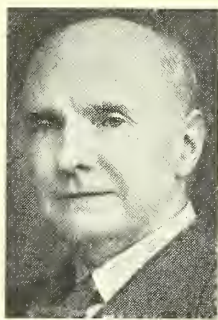
MR. W. S. HUNTER, a pharmacist of Saskatchewan, is visiting Great Britain as a member of the Canadian contingent to the Boy Scout Jamboree at Sutton Coldfield. When in London on his way to the Jamboree Mr. Hunter met Sir Hugh Linstead and presented him with the certificate of honorary membership of the Saskatchewan Pharmaceutical Association.

MR. L. A. W. DOE, M.P.S., has been appointed chief pharmacist at the Royal Northern Hospital, London, in succession to Mr. A. E. Footitt, who is leaving to take up an appointment in Australia (see *C. & D.*, May 25, p. 563). Mr. Doe has been with the Royal Northern since 1934 and was appointed deputy chief pharmacist in 1949.

MISS M. B. HARRISON, F.P.S., who joined the staff of the Royal Northern Hospital, London, from the Royal Chest Hospital in 1943, has been appointed deputy chief pharmacist at the hospital.

PROFESSOR R. CRUICKSHANK (Principal of the Wright Fleming Institute of Microbiology at St. Mary's Hospital Medical School) takes up an appointment to the Chair of Bacteriology at the University of Edinburgh on January 1. Professor Cruickshank was appointed as Principal of the Wright Fleming Institute after the death of Sir Alexander Fleming in March 1955.

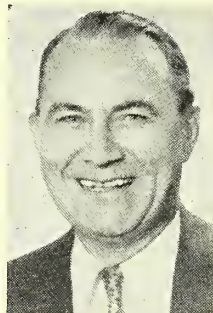
MR. JOHN H. RAMSAY, F.P.S., Edinburgh, who on medical advice resigned the managing directorship of T. & H. Smith, Ltd., on March 31, has now retired from active business life, having given up his directorships of T. & H. Smith, Ltd., and its subsidiary companies on July 26. At the annual meeting of T. & H.



Smith, Ltd., the chairman of the company (Mr. V. F. Noel-Paton) paid tribute to Mr. Ramsay's long and distinguished business career and to his devoted service to the company's interests. Mr. Ramsay qualified in 1907, passing the Major examination four years later, and completed fifty years' membership of the Pharmaceutical Society on July 2. For a number of years he was in retail pharmacy on his own account in Partick, Glasgow, and he built up a successful wholesale and manufacturing business, which was incorporated with W. & R. Hatrick, Ltd., when Mr. Ramsay joined that company and became a director and manager in 1935. He took an active part in the affairs of the Glasgow and West of Scotland Chemists' Association, being chairman for a number of years. He was a frequent contributor on various scientific, literary and other topics and also contributed to

the evening meetings of the Pharmaceutical Society in Edinburgh. He was appointed a director of T. & H. Smith, Ltd., in 1947 and managing director in 1950, subsequently becoming chairman of the company's subsidiaries: W. & R. Hatrick, Ltd., John Mackay & Co., Ltd., Duncan, Flockhart & Co., Ltd., William Paterson & Sons (Aberdeen), Ltd., and T. & H. Smith (Canada), Ltd. He is perhaps best known to chemists throughout the country as a former member of the board of examiners of the Pharmaceutical Society in Scotland, of which he was chairman, 1932-35. He has always taken a keen interest in educational affairs and is a governor and a member of the Heriot-Watt College Committee and was formerly a member of the committee of the School of Pharmacy, Royal Technical College, Glasgow. When the Joint Committee on Prescribing was set up in 1949, Mr. Ramsay was appointed to represent the Scottish Standing Pharmaceutical Advisory Committee, and he was also a member of the joint sub-committee on the definition of drugs, of which the chairman was Lord Cohen. He is at present a member of the Standing Joint Committee on the Classification of Proprietary Preparations. Mr. Ramsay is a past-chairman of the manufacturers' section of the Edinburgh Chamber of Commerce, and a past-chairman of the Scottish Wholesale Druggists' Association.

MR. JAMES F. HOGE, who was the guest speaker at a luncheon of the Proprietary Association of Great Britain on July 25 (see p. 134), has been the general counsel for the Proprietary Association [of America] for about twenty-three years. A partner of Rogers, Hoge & Hills, an eminent firm of lawyers in New York, he has been closely concerned with the legal problems affecting the proprietary medicine industry in the United States. Mr. Hoge described his stay in Britain as being "a deeply satisfying experience." He came primarily to attend the meeting in London of the American Bar Association. "An American lawyer's emotion," he said, "is strong when he comes here to the hearthstone of his profession." For, of the forty-eight States of the U.S.A., all but one found the source-springs of their jurisprudence in the common law of England. (In the exception—Louisiana—the legal system is based on the Code Napoleon.) Mr. Hoge brought with him the greetings of the American Proprietary Association.



DEATHS

BRINDLEY.—On July 29, Mr. L. K. Brindley, aged seventy (consultant to the president of the International Nickel Co. of Canada, Ltd.), who at his retirement last February, was deputy

chairman of the Mond Nickel Co., Ltd., Millbank, London, S.W.1.

GRUNDY.—On July 16, Mr. Thomas Howell Grundy, M.P.S., 125 Moss Road, Birkdale, Southport, Lancs. formerly of Cory Nook, Blackburn. Mr. Grundy qualified in 1920.

RIDEN.—On July 11, Mr. Walter Lewis Riden, M.P.S., 14 Llwynygrat Terrace, Penylan, Cardiff, Glam., aged forty-eight.

THOMAS.—At 126A London House, Station Road, New Milton, Hants, on June 27, Mr. John Feetham Thomas, M.P.S., 8 Roundwood Road, Amersham, Bucks, aged sixty-one. Mr. Thomas was for many years in business at 66 Central Road, Worcester Park, Surrey. He was a past-chairman of the Wimbledon Branch of the Pharmaceutical Society and a past-secretary of the Wimbledon Branch of the National Pharmaceutical Union.

INQUESTS

A "Very Large" Dose.—A seventy-year-old woman, Mrs. E. A. Theobald, Tolworth Rise, Surrey, whose body was found in a field at Long Ditton, Surrey, twenty-five days after she had been reported missing, was stated at the inquest at Epsom on July 23 to have taken a "very large" dose of phenobarbitone. A pathologist said that he had found gr. 30 of phenobarbitone in the body. A note was in the woman's handbag, which was lying beside her body. The deputy coroner said Mrs. Theobald had a history of giddy attacks, and had probably recently had a cerebral thrombosis. There was no doubt that she had intended to kill herself.

Depressed Doctor's Suicide.—A hospital medical officer was stated at an Epsom, Surrey, inquest that was held on July 18 to have died from a massive overdose of Nembutal. The officer, Dr. John H. F. Wood, 19 Coram Street, London, had been found dead in a sitting-room at Long Grove mental hospital, Epsom, where he was employed. Beside him had been found a bottle of Nembutal capsules that was found on the morning of Dr. Wood's death to be missing from the pharmaceutical department of the hospital. About 100 capsules were missing from the bottle. The hospital's physician-superintendent said that, before taking up his appointment there in May 1955, Dr. Wood had suffered from a depressive illness, and had been receiving treatment from a leading practitioner of psychotherapy. Work at the hospital was considered suitable for him, and he had settled down so well that treatment had been stopped. As a doctor at the hospital, Dr. Wood had full access to drugs, but the superintendent said he had never had cause to be anxious about Dr. Wood's handling of them. Recording a verdict of suicide, the coroner said that there must have been a further sudden breakdown of Dr. Wood's mental condition.

INFORMATION WANTED

The Editor would appreciate information about the following:

Plastic eye mask to contain ice

BRISTOL CONFERENCE PAPERS

Details of contributions to science and professional sessions

THE following papers are being presented at the ninety-fourth meeting of the British Pharmaceutical Conference, Bristol, September 2-6.

Monday morning, September 2 OPENING SESSION

Address. "STERIODS IN PHARMACY AND MEDICINE." *Dr. Frank Hartley* (chairman of the Conference).

Monday afternoon, September 2 SCIENCE SESSION

1. LOSSES OF BACTERIOSTATS FROM INJECTIONS IN RUBBER-CLOSED CONTAINERS. *A. Royce and G. Sykes.*
2. THE PURITY OF CHLOROFORM B.P. *A. C. Caws and G. E. Foster.*
3. SOME PROPERTIES OF MIXED SOLS OF LECITHIN AND LYSOLECITHIN. *L. Saunders.*
4. THE APPLICATION OF INFRA-RED SPECTROPHOTOMETRY TO THE EXAMINATION OF ESSENTIAL OILS. PART I. CINEOLE IN LAVENDER OIL. *A. H. J. Cross, A. H. Gunn and S. G. E. Stevens.*
5. THE VITAMIN B₁₂ POTENCY OF PHARMACEUTICAL (INCLUDING DIETETIC) PRODUCTS ESTIMATED BY THE OCHROMONAS METHOD. *F. Wokes and M. H. Woollam.*

Tuesday morning, September 3 SCIENCE SESSION

6. THE PREPARATION AND ANTIFUNGAL ACTIVITY OF SOME SALICYLIC ACID DERIVATIVES. *L. V. Coates, D. J. Drain, K. A. Kerridge, F. June MacRae and K. Tattersall.*
7. THE RESISTANCES OF VEGETATIVE BACTERIA TO MOIST HEAT. *B. A. Wills.*
8. PHARMACOLOGICAL PROPERTIES OF HYDRALLAZINE, DIHYDRALLAZINE AND SOME RELATED COMPOUNDS. *S. M. Kirpekar and J. J. Lewis.*
9. THE RHEOLOGY OF OIL-IN-WATER EMULSIONS. II. THE MICROSCOPICAL APPEARANCE OF EMULSIONS IN LAMINAR FLOW. *Arnold Axon.*
10. THE SPECTROPHOTOMETRIC DETERMINATION OF α -UNSATURATED ALDEHYDES AND KETONES WITH GIRARD-T REAGENT. PART I. ESSENTIAL OILS. PART II. KETOSTEROIDS. *J. B. Stenlake and W. D. Williams.*

PROFESSIONAL SESSION

EFFICIENCY IN PHARMACEUTICAL PRACTICE. *A. Aldington.*

Tuesday afternoon, September 3 SCIENCE SESSION

11. THE DETERMINATION OF MORPHINE IN OPIUM AND SOME OF ITS GALENICAL PREPARATIONS. *D. C. Garratt, C. A. Johnson and Cecilia J. Lloyd.*
12. THE PREPARATION AND PROGESTATIONAL ACTIVITY OF SOME ALKYLATED ETHISTERONES. *A. David, Frank Hartley, D. R. Millson and V. Petrow.*
13. SOME EFFECTS OF INCREASING STILLHEAD SURFACE AREA ON LIQUID ENTRAINMENT DURING DISTILLATION. *D. Train and Bayardo Velasquez-Guerrero.*
14. ALPHA- AND BETA- PRODINE TYPE COMPOUNDS: CONFIGURATIONAL

STUDIES. *A. H. Beckett, A. F. Casy, G. Kirk and J. Walker.*

Wednesday morning, September 4 SCIENCE SESSION

15. THE INACTIVATION OF PYROGENS WITH GAMMA RADIATION. *T. D. Whittet and W. P. Hutchinson.*
16. THE PHARMACOLOGY OF SOME HYDROXYBENZYLISOQUINOLINE DERIVATIVES. *J. J. Lewis and M. S. Zoha.*
17. THE OXIDATION OF SOLUBILISED AND EMULSIFIED OILS. I. OXIDATION OF BENZALDEHYDE IN POTASSIUM LAURATE AND CETOMACROGOL DISPERSIONS. *J. E. Carless and J. R. Nixon.*

Thursday morning, September 5

SYMPOSIUM SESSION "SURGICAL DRESSINGS."

Opening papers, WOUND HEALING AND DRESSINGS. *John T. Scales.* RECENT DEVELOPMENTS IN SURGICAL DRESSINGS. *D. E. Seymour.*

Friday morning, September 6 SCIENCE SESSION

18. THE USE OF OXIDISED CELLULOSE FOR THE DETERMINATION OF STRYCHNINE IN PHARMACEUTICAL PREPARATIONS. *D. A. Elvidge and K. A. Proctor.*
19. OBSERVATIONS ON THE INTRAVENOUS TOXICITY AND CHELATING ACTIVITY OF SODIUM STIBOGLUCONATE. *J.*

Green, A. C. T. Hickman, Helen M. Sharpe and E. G. Tomich.

20. THE NON-AQUEOUS TITRATION OF PHENOLIC COMPOUNDS. *J. Allen and E. T. Geddes.*

21. A COMPARATIVE EXAMINATION OF SOME SAMPLES OF DIGITOXIN. *E. H. B. Sellwood.*

22. SOME NSN-TRIS-QUATERNARY NEUROMUSCULAR BLOCKING AGENTS. *D. Edwards, J. J. Lewis, J. B. Stenlake and M. S. Zoha.*

PROFESSIONAL SESSION

DISPENSING TOLERANCES IN LIQUID MEDICINES. *K. R. Capper and J. G. Dare.*

Galley proofs of the chairman's address and of the papers being presented at the science, symposium and professional sessions will be available in the usual way before the Conference.

Members, including Branch representatives, who want copies of the papers should write to the joint secretaries, 17 Bloomsbury Square, London, W.C.1, stating the papers required. Applications must be received not later than August 17.

HEALTH SERVICE IN SCOTLAND

Pharmaceutical aspects of Commons debate

OPENING a debate on health services in Scotland on July 24, MR. A. WOODBURN said that the silliest thing ever done in the name of economy was to put a prescription charge, and therefore a handicap, on people getting proper treatment for disease. Simply because doctors, in some cases, had not been scrupulous in their prescriptions, it seemed to him the maddest kind of justice to punish the patient. The Committee appointed by the Secretary of State to report on prescriptions seemed to be composed mainly of doctors. It had always been a doubtful proposition whether vegetarians were the best people to judge the advantages of butchers' meat, or whether butchers were the best judges of vegetarianism. The question was whether doctors were the best people to judge prescriptions. He had always believed that experts should be on tap, not on top. What was wanted was a committee of men of sound judgment with expert advice given to them. In any case, what was the investigation to do? Was it to investigate the extravagance of doctors and what they were prescribing? Was it to find out whether they were not doing their jobs properly?

MR. JOHN MACLAY (Secretary of State for Scotland), replying, said that he had appointed the Scottish Committee on Prescribing Costs because, in view of the continuous upward trend of the cost of that service, he felt that it was desirable that there should be a full examination of all the factors which

influenced prescribing costs. The Committee was to inquire into prescribing practice in the general medical services and hospital specialist services of schools, with particular reference to the factors governing costs, and to make recommendations. It was a wide remit, and the Government waited with great interest to see what would come out of the inquiry. The composition of the Committee was well balanced. The chairman was not a medical man, but he was a man of great experience and ability. The Committee consisted of three general practitioners, three consultants, two other doctors, two lay members and a pharmacist.

MR. WOODBURN: I have read the terms of reference. It is difficult to know exactly what the committee is to do. Is it to inquire into the type of medicine being prescribed, or into any question of economy in the cost, into substitution of cheaper medicines for luxurious and extravagant ones? Is the committee to consider getting rid of expensive proprietary medicines which are unnecessary? Is the committee to try to improve the Service or to cut down the cost?

MR. MACLAY: Obviously both.

MR. J. C. GEORGE referred to the Department of Health for Scotland's report for 1956 (see *C. & D.*, June 8, p. 611). He pointed out that over 2.2 million prescriptions were given out for narcotics and sedatives of one kind or another in Scotland in 1956. There was another field for wide research.

DR. J. DICKSON MABON said that the debate should not be allowed to go by without acknowledging the work of the men responsible for discovering streptomycin, para-aminosalicylic acid and INH. Those were the three drugs that were responsible more than any other agency for the improvement in the tuberculosis figures. Medical science had provided the key and it was Parliament's job to turn that key in the lock.

MR. J. NIXON BROWNE (Joint Under-Secretary of State) agreed that the increasing use of barbiturates had given cause for concern. Tranquillisers were relatively new drugs which had been

used to some extent in substitution for barbiturates. They had not been in use long enough to indicate whether they were habit-forming or dangerous in their side effects, but it was probable that indiscriminate use of them would raise problems. In March 1957, in *Prescribers' Notes*, doctors were urged to use them with care and not to prescribe them where a simple sedative would meet the patient's need equally well. The scale on which barbiturates and tranquillisers were being increasingly used would, no doubt, be one of the subjects examined by the Committee on Prescribing Practice and Costs.

TRADE NOTES

Discontinued. — Genatosan, Ltd., Loughborough, Leics, announce that warehouse stocks of all sizes of T.E.D. cough linctus are sold out, and the product has been discontinued.

Calamine Cream. — Collosol calamine cream, marketed by the Crookes Laboratories, Ltd., Park Royal, London, N.W.10, is an unperfumed cream containing 2 per cent. of calamine and 12.5 per cent. of witch hazel. It is issued in a 16-oz. pot.

A New Cosmetic Shade. — Revlon International Corporation, 86 Brook Street, London, W.1, have added a new shade, Persian melon, to the range in



which they issue their lipstick and nail enamel. Claimed the "softest, warmest golden shade perfect for autumnal browns and greens, and wonderful to highlight blacks and greys," the colour is "not a pink and certainly not a red." Distribution is geared to a retail sales date of September 23.

Additions to List. — White Laboratories, Ltd., 428 Southcroft Road, London, S.W.16, announce that, from August 1, a two-tablet package of Feen-a-mint chewing-gum laxative and a sixteen-tablet package of Aspergum aspirin chewing-gum are available.

Again Available. — The Blue Orchid spirit shampoo of Delavelle, Ltd., 38 Orsman Road, London, N.1, is again available. The pack is an 8-oz. jar. The perfume is described as having "a high-rising top note, deliberately designed not to maintain too much of its strength on evaporation, but to leave a background aura which blends with any other perfume a woman wearer

might be using." The product is also suitable for men's hair.

Now Tax-free. — Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, announce that Ephazone tablets are reduced in price from August 1, on which date they become free of purchase tax. Distributors are Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

Change of Category. — Silten, Ltd., Silten House, Hatfield, Herts, announce that their product Silbephylline has been reclassified by the Standing Joint Committee on the Classification of Proprietary Preparations in category 4 and their Silbe calcium syrup classified in categories 3 and 4. Both those preparations may be prescribed on EC10 forms.

NEW PRODUCTS AND PACKS

Sulphanilamide Spray. — Crookes sulphanilamide spray, an aqueous solution for the treatment of nose and throat infections, has been added to the price list of the Crookes Laboratories, Ltd., Park Royal, London, N.W.10. The pack is a 1-oz. bottle.

Sweetening Solution in Pocket Pack. — To meet a growing demand for Saxin sweetener, particularly in cooking, Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, have introduced



Saxin brand solution in a 24-cc. blue plastic "squeeze" container. Four drops provide the equivalent of one lump or one teaspoonful of sugar.

Bonus Offers

DALMAS, LTD., Junior Street, Leicester. Hot-water bottles. Six Dalmex No. 2 bottles free with order for 6 doz. hot-water bottles; nine free with 9 doz.; twelve free with 12 doz. On orders booked before September 1 for delivery in one consignment up to December 31.

Holiday Closings

THE following manufacturers, closing for the normal bank holiday on August 5, have notified that emergency supplies are available from John Bell & Croyden, 50 Wigmore Street, London, W.1;—HORLICKS, LTD., Slough, Bucks; MAY & BAKER, LTD., and PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex; E. R. SQUIBB & SONS, 17 Old Bond Street, London, W.1; JOHN WYETH & BROTHER, LTD., Clifton House, Euston Road, London, N.W.1.

BEANSTALK SHELVING, LTD., Chichester, Sussex. Closed for annual holiday from Friday evening, July 26, until Tuesday morning, August 13.

Exhibitions and Fairs

BOYS AND GIRLS EXHIBITION (Hulton's), Olympia, London, August 1-15.

DOCTORS' HOBBIES EXHIBITION (first), Brettenham House, Lancaster Place, London, W.C.2, November 18-22. Sponsors are Bengel Laboratories, Ltd., Holmes Chapel, Ches. Prizes totalling £250 are being awarded.

Jewel Case for Men. — Jarrett, Rainsford & Laughton, Ltd., Warstock Road, Birmingham, 14, are marketing the Stratton Cadet link tidy, a silk-and-velvet-lined gentlemen's jewel case in three sections, two fitted to take cuff links and studs. A centre pad is removed to reveal a compartment for other small items.

Bath Brush Sets in Colours. — Halex division, British Xylonite Co., Ltd., Highams Park, London, E.4, offer matching back brush and nailbrush bath sets in lilac, white pearl and court grey, in addition to the black set already on the market. The brushes are made from polystyrene with a nylon filling, and have a raised penguin design on the back.

Veterinary Specialities. — Biorex (Marketing), Ltd., 47 Exmouth Street, London, E.C.1, have made available, through their sole veterinary distributors, J. M. Loveridge, Ltd., 6 Millbrook Road, Southampton, two new Biosone veterinary specialities: Biosone G.A. (glycyrrhetic acid) pessaries in box of six, and Biosone G.A. ointment with neomycin, ear/eye, in 5-gm. tube.

A New Solvent. — Nitroglycerin Aktiebolaget, Sweden, announce the commercial production of a new solvent, dimethyl sulphoxide. Dimethyl sulphoxide is strongly hygroscopic and its unusual solubility properties suggest that it will be suitable for a range of special applications, for example as a solvent for cellulose esters, a solvent and selective absorbent for acetylene and sulphur dioxide, as a solvent and recrystallisation agent for organic acids, as a selective separation medium for

aromatic and paraffinic hydrocarbons, as a spinning liquid for acrylonitrile, proteins and cellulose acetates, etc. Technical data sheets, samples and further details can be obtained from the sole selling agents, Guest Industrials, Ltd., 81 Gracechurch Street, London, E.C.3.

New for the Perfume Maker. — A new aromatic compound, Iso-Bergamote, is claimed by the manufacturers (Dragoco, Holzminden, Germany), to be a "must" on every perfumer's shelf. Its price range brings it into line with such products as geraniol, linalyl acetate, citral, hydroxy citronellal, etc. and its odour value for compounding is understood to be highly rated. Chemical and physical data are contained in a pamphlet available, with sample, from Bruce, Starke & Co., Ltd., 5 Fenchurch Street, London, E.C.3.

Breakfast Orange Drink. — Packed in a non-returnable Tetrapak space-saving container, Skip, a new breakfast orange drink produced by O. R. Groves, Ltd., 20 Jermyn Street, London,



S.W.1, makers of Sunkap and Sunfresh, is claimed to provide the full daily vitamin-C requirement of three adults in each pack. Skip is issued in carton containing eighteen Tetrapaks. Seven cartons pack into approximately 1 cu. ft. of storage space (giving considerable advantage over conventional glass bottles). Point-of-sale advertising material is available.

Capsules Against Bovine Mastitis. — The Distillers Co. (Biochemicals), Ltd., Broadway House, The Broadway, Wimbledon, London, S.W.19, announce the availability of Distule veterinary intramammary-injection capsules for the treatment and prophylaxis of bovine mastitis. The Distule consists of a sealed gelatin capsule containing an accurately measured single dose of antibiotic. One squeeze between finger and thumb discharges the whole of the contents through an injection nozzle deep into the teat canal. A cutter to open the capsules is supplied with each pack. As each Distule is used for one injection only there is no risk of spreading infection from one quarter to another. Individual foil strip wrapping provides a complete safeguard against contamination until the moment of use. Products available through wholesalers are Distule PP 100 (100,000 international units of procaine penicillin G) in boxes of ten and 100; PP 300 (300,000 i.u. procaine penicillin

G) in box of ten; and Distule PS (100,000 i.u. procaine penicillin G and 100,000 i.u. dehydrostreptomycin sulphate) in box of ten.

A Stage on from Strained Foods. — H. J. Heinz Co., Ltd., Harlesden, London, N.W.10, have introduced a range of products entirely new to Britain: "junior" foods. The first two varieties are "vegetable-and-beef dinner" and "tomato, macaroni and beef dinner."



Each is designed for the baby who is outgrowing strained foods, and who requires chopped or minced foods that provide a complete and readily assimilable meal. Junior foods are labelled in red and dark blue to distinguish them from the pale blue of Heinz strained foods. Vegetable-and-beef dinner contains minced cooked lean beef, chopped vegetable and cereal blended to an appetising flavour by the addition of beef extract and salt. Tomato, macaroni and beef dinner is a blending of tomatoes with macaroni, carrots and beef plus the flavour derived from bacon, dried yeast, sugar, salt and vegetable oil. Mothers often speak of an awkward gap in baby-feeding at the stage when a child is getting a little too old for smooth, strained foods, but is not yet ready for family meals. That gap is now bridged. Heinz "junior" foods have been on the market for some years in the United States, Canada and Australia. They may be carried anywhere on journeys and on holidays, in

their own cans if they are to be eaten cold, or in a vacuum flask if the baby prefers them warmed.

Here to Sell to Men. — Spearhead of the attack of an American "invader" of the British cosmetics and perfumery field is to be the Old Spice series of toilet preparations for men. The manufacturers, Shulton (Great Britain), Ltd., 160 Piccadilly, London, W.1 (a subsidiary of Shulton Inc., New Jersey, U.S.A.), are preparing to build up in Britain a reputation comparable with the one they have established in America and are deliberately choosing the men's market in which to start. The Old Spice products cater for any of five ways of shaving (cake in a mug; lather or brushless cream in a tube; solid in stick form, lather in an aerosol container; pre-electric shave lotion for men who prefer electric shavers). In all the products the packaging stands out for its perfect suitability to its individual purpose, yet they all share strong family characteristics. Best-seller in America is the after-shave lotion, with qualities of an astringent, antiseptic and refresher, and redolent of citrus and spice. Its pack is a white "pottery glass" bottle with ingenious metal-covered plastic reseal. The deep soap-filled shaving mug is of the same material. Each product carries the company's sailing-ship device, and the principal colour in each eye-catching carton is red. The British company is planning to act as a source of supply of raw materials from which other Shulton overseas organisations may draw, and will itself develop an export business in the finished products in many Sterling-area territories. Until manufacture has been fully developed certain limitations are being placed on home channels of distribution, but there is no intention to develop a sole-agency system of marketing. In time for the Christmas trade a range of coffrets is being prepared, details of which are being announced later.



A FACTORY EXTENSION AT HOUNSLOW

Constructional solutions to chemical problems

CONSTRUCTION, at their Hounslow headquarters, of a new building for manufacturing processes now in progress, marks a further stage in Parke, Davis & Co.'s long-term development plan. The two-story building, 170 ft. long by 60 ft. wide, is being erected on the west side of the site, between the recently completed administration building and the 1939 laboratory extensions. The new building will resemble the administration building in external appearance, the aim being eventually to create a harmonious open-courtyard layout by the addition of a wing parallel with the administration block.

The new block G is going to provide an additional floor area of just over 20,000 sq. ft. The superstructure is steel-framed to take heavy loads of plant, machinery, and goods with an ample safety margin. All floors and roofs will be of solid reinforced concrete.

Kept Flexible

Construction and design exemplify the special problems encountered in housing modern chemical plant and the ways in which they may be overcome. Internal layout is designed to permit modification to any section of the plant with a minimum of disturbance to production. To achieve that aim the principal items of equipment are being arranged in standardised seatings at each side of a central bay running the length of the building. The bay is being kept clear of all obstruction up to roof level, so that sections of plant may be installed, removed, or overhauled with the least possible inconvenience.

Fire resistance and the elimination of chemical corrosion of the structure have received special attention. All structural steelwork is being encased, ex-

posed metal work reduced to a minimum, and the use of timber limited to a few hardwood doors. Staircases are to be of reinforced concrete protected by substantial brick enclosures continued up to roof level as fire-fighting towers. Metal work is being earthed against a build-up of static

FEATURES OF A NEW OFFICE BUILDING

Intercommunications with forty-eight factories

THE new head offices of the Metal Box Co., Ltd., at 37 Baker Street, London, W.1, are decorated in accordance with a scheme prepared by a small committee, consisting of the architects and a few senior members of the company. Between them they matched dozens of pastel shades to find a workable combination that would also survive the attacks of London's atmosphere. The scheme finally decided on contains a predominance of light grey, with outer walls (round the windows) in lemon, and with warmth added by red, marbled linoleum on the floors.

The corridor floors are rubber-tiled, with red and black squares in geometric designs on a light beige ground.

The lifts in the building have the unusual feature of being air-conditioned. Each is fitted with a telephone (not a mere house 'phone but connected with the outside world), doing away with the danger of anyone being stranded in a lift after office hours, when there might be no one at hand to hear the alarm bell.

"Remote Control" Typing

Special telephones link various offices with dictating machines in a typing centre, and the dictator has almost as complete a control over the

electricity, and the building is having a comprehensive system of lightning protection. Its two-ton lift and other electrical installations are to be fully flame-proofed. Floors throughout are being equipped with drainage and surfaced with hard paving bricks bedded in chemical-resistant cements. Built-in ducts are provided for water, gas, steam, electric and ventilation services, with a subway and duct connections to the existing buildings.



Toiletries section of the self-service store at 37 Baker Street, London, W.1, of the Metal Box Co., Ltd.

machine as he would have if it were before him on his desk: he can dictate, back-space, play back, make corrections, etc.

The office is connected with the company's larger factories among its forty-eight in the United Kingdom by private teleprinter circuits. The "out stations" are in turn connected to other sales offices, depôts and factories in their immediate neighbourhood by Desk-fax (an equipment that enables written messages, sketches, diagrams, etc., to be transmitted in facsimile within a radius of about twenty miles).

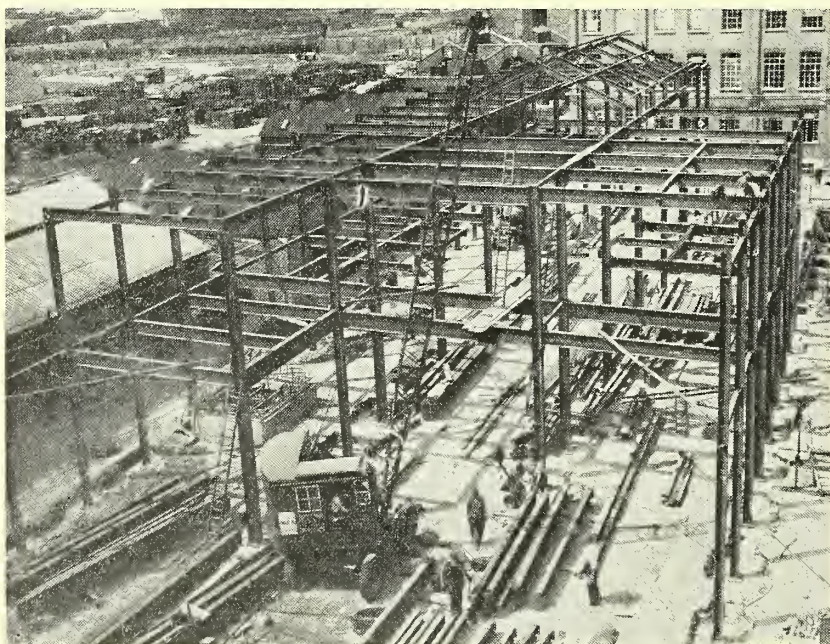
On the ground floor is a complete self-service store open to the public. Its principal function is to provide information on how and to what extent container design influences the purchaser.

N.H.S. STATISTICS

In GATESHEAD during 1956, 550,860 prescriptions were dispensed at a total cost of £127,670. Average cost per prescription was 58'1d.

In RADNORSHIRE during 1956, 61,491 prescriptions were dispensed at a total cost of £15,268. The average cost per prescription of 52d. was the lowest in Wales.

In MIDDLESEX during the year to March 1957, 11,539,907 prescriptions were dispensed at a total cost of £3,157,513. Average cost per prescription was 64'41d.



Constructional steelwork at an advanced stage in the erection of a new laboratory building for Parke, Davis & Co., Ltd.

FIGURES IN THE PHARMACEUTICAL WORLD

WHEN Mr. J. W. Hadgraft was appointed chief pharmacist at the Royal Free Hospital, London, his brief was to transform a dispensary providing routine medicines for the hospital's patients into a creative pharmaceutical department more in keeping with a metropolitan teaching hospital.

He brought to the task the enthusiasm of youth (at the time of his appointment he was the youngest chief pharmacist in any London teaching hospital), a varied experience, and a considerable aptitude. Born in Lincoln, he passed his early years there and in Suffolk, but from the age of fourteen—that is, for his most important school years—he was resident in Bedford, from whose Modern School he gained the Cambridge Higher School certificate. In 1934 he was apprenticed for three years at the well-known and old-established Bedford business of Taylor, Brawn & Flood, Ltd. The pharmacy was one with a number of its own special proprietaries, to make which was one of the duties of the apprentice. The products had so wide a sale that two girls were permanently employed in packing them, and the nature of the private dispensing connection at the pharmacy is shown by the fact that, even at that late date, there was a regular customer for silvered pills, which Hadgraft had frequently to make. Mr. Brawn, who will be remembered by older C. & D. readers for his contributions to its columns, was no longer then in daily attendance at the pharmacy but would still often lend a hand at week-ends.

Hadgraft's apprenticeship completed, he spent a few months at another distinguished Bedfordshire pharmacy—that of Wootton & Webb, Ltd., Luton—before joining the Society's school as a student in 1937. At the Square he showed outstanding ability, gaining the C. J. Hewlett Exhibition and certificates of honour in pharmaceuticals, pharmaceutical chemistry and pharmacognosy before qualifying as a Pharmaceutical Chemist (the higher qualification now swallowed up in the single standard) in 1939.

His first four posts after qualifying gave Mr. Hadgraft a most varied experience and background. He was for a few months at Westminster Hospital pharmacy department under the then chief pharmacist Mr. F. G. Hobart. He was for two years in the analytical department of The British Drug Houses, Ltd., under the late Mr. T. T. Cocking. He did editorial and committee work in connection with the British Pharmaceutical Codex, Extra Pharmacopœia and Pharmaceutical Pocket Book under the late Mr. C. E. Corfield from 1942 to 1945. And he was for nine months in the marketing division of Burroughs Wellcome & Co.

Then the vacancy occurred at the Royal Free Hospital which, after consulting expert colleagues, he accepted. That was in 1945, when he was studying for his Associateship of the Royal Institute of Chemistry, which he gained early in 1946. He wasted no time in bringing about considerable changes in the department. One was to build up



52. MR. J. W. HADGRAFT

a manufacturing section which now turns out, for example, over 2,000,000 tablets annually, plus equally substantial quantities of sterile medicaments. Under him now in the department are a deputy chief and six other pharmacists, and Grays Inn Road makes or purchases for the five other hospitals or out-patient departments which, under the National Health Service, were joined in a Royal Free Hospital Group in 1948.

An even more important change in the department has been the attention that is now paid at the hospital to pharmaceutical research. Mr. Hadgraft was given a grant to equip a laboratory, and took full advantage of it. He has been happy in having had medical colleagues equally keen that he should give them the help his laboratory

could provide. In that way he has, with Drs. Brain and Haber, published papers on fungicidal preparations in the treatment of ringworm and with Dr. Daphne Anderson on the pH of the skin and its shift towards alkalinity in certain pathological conditions. Indeed he has teamed-up successfully with many other workers both medical and academic, a collaboration made easy, no doubt, by his invariable charm and unassuming friendliness.

So useful a worker, particularly after his Codex literary experience, was an obvious choice for many pharmacopœial and other revision committees. He is at the present time a member of the ointments and sterile medicaments subcommittees of the British Pharmacopœia Commission, of the pharmacy subcommittee of the Codex Revision

Committee, and of the joint formulary committee and editorial subcommittee of the (now British) National Formulary.

Parallel with his posts as group and chief pharmacist he is lecturer in pharmacy at the medical school of the hospital. He was responsible for revising the pharmaceutical sections in Kingzett's "Chemical Encyclopædia" (eighth edition, 1952) and is at present

revising the same publisher's "Aids to Materia Medica." He has found time, despite his active pharmaceutical work, to take a prominent part in salary negotiations. As representative of the Association of Scientific Workers on the Pharmaceutical Whitley Council he has been concerned with all such negotiations since the start of the N.H.S., and he is also a member of the general

council on Whitley Council machinery for hospital staffs.

Particularly noteworthy is his record of achievement since he has not always enjoyed the best of health. His many friends must hope for personal reasons—and pharmacists generally in the expectation of further contributions to the scientific development of their craft—that good health may long be his.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

"Where Honour is Due"

SIR,—From your interesting article recently on our colleague Mr. P. D. J. Spaanderman (chairman of the National Pharmaceutical Union and secretary of Nottingham and County Pharmaceutical Committee) it is good to see a comparatively young man go ahead as he has done. Fortunately pharmacy has a good sprinkling of these "live wires." Honour is due to them all and especially to Mr. J. W. Sampson, F.P.S., Kirton, to whom no doubt Mr. Spaanderman is indebted, as so many of us are who worked with that "grand old man of pharmacy." Back in 1912 he was joint principal of the Bath and West of England College of Pharmacy. At Kirton he must have trained hundreds of first-rate practical retail chemists. I shall personally always be indebted to him.

R. G. DAVIES-JOHN

Control of Advertisements

SIR,—Your correspondent "Concerned" (C. & D., July 13, p. 38) must feel that Mr. L. B. Singleton has answered most of his criticisms, but in connection with the suggestion that the industry should set up a voluntary control, so far as proprietary medicines are concerned, I would like to emphasise that that was done more than twenty years ago. Through the Proprietary Association of Great Britain the manufacturers of advertised proprietary medicines produced a Code of Standards of Advertising Practice and since 1935 the members of the Association have submitted to a censorship based on that Code. The British Code of Standards referred to by Mr. Singleton was in fact based on the P.A.G.B. code.

ADVERTITOR

Too Many Pessimists?

SIR,—If a pessimist is one who wears both belt and braces, sales of those sartorial appendages to pharmacists must have rocketed since the announcement of the three-year qualifying course. That is, if the viewpoints expressed by your correspondents of last week are to be taken as typical. How refreshing, by contrast, it is to read the following advertisement which appeared in a recent issue of the *American National Association of Retail Druggists Journal*:

"Pharmacy as a Profession for Your Son or Daughter. Pharmacy is a profession of prestige through service in the sphere of health. It is a vocation which continues to advance with the remarkable progress of medical science. It provides a lifetime

of security founded on specialised scientific knowledge. Pharmacy as a career includes numerous enjoyable experiences in relations with people. It is a profession of expansive horizons and numerous individual opportunities today and in the future. It will be a pleasure for us to talk over a career in the respected profession of pharmacy with your son or daughter."

OPTIMIST

Good News for the Future

SIR,—It is good news for the future of pharmacy to know that the period of training for future pharmacists is to be three years. The old-time pharmacists did three or four years' apprenticeship in retail pharmacy (with usually £100 premium—and little or no pay). Consequently they were practical craftsmen before entering college to polish off their theory and become fully-fledged pharmacists. The modern B.Pharm. is full of theory but lacking in practical training. Few are of any use in retail practice. Higher intellectual standards are excellent provided they are backed by intelligence (i.e., the ability to think and act in the practical problems that every retail chemist must solve daily). Even the multiples, with their highly developed systems of stock control, price tickets, open counter displays and quick service, have revised their payment of "managers who can manage." It is to be hoped that some of our university and technical college staff will be practical pharmacists who can teach business methods to future students.

OVER SIXTY

Is So High a Standard Wise?

SIR,—I well remember discussing pharmaceutical education with the dean of the medical school at Leeds over twenty-five years ago (the school of pharmacy there, under the late Mr. Lupton, came within his purview). He told me he was concerned at the high standard of training being given to pharmacists, and questioned its wisdom. His view was that the scientific side would more and more get into the hands of comparatively few highly trained men employed in the large manufacturing concerns and that medicine would largely be prepacked (ampoules, tablets, etc.); and that in due course the dispenser's job would mainly be to hand out various sizes as prescribed—a job to be done by anyone of average intelligence after a suitable training period. How clear his foresight was is evident in any dispensary today. Pharmacists are now enjoying a measure of prosperity undreamed of only

a few years ago. It is doubtful indeed whether more than a small minority would choose to alter existing conditions. One result of the new scheme must be the eventual elimination of the commercial side of pharmacy, the real source of profit and livelihood for chemists today—with consequent lowering of living standards. Purely professional pharmacy may sound good, but in effect it will almost certainly mean State service under the Ministry of Health, and running a State dispensary. Prospects for the proprietor pharmacist will be adversely affected by the new arrangements. The sooner the branches of the Pharmaceutical Society get down to discussing the matter the better it will be for all concerned. Dozens of queries come to one's mind, and no doubt your readers will propound many problems to you for solution. It would be interesting to know the answers to queries such as

- (1) Is the B.Pharm standard (which seems to be the ultimate goal) really necessary in present-day retail practice?
- (2) If so, is a "technician" qualification considered desirable?
- (3) If a continental-type of retail establishment comes into being, will the corollary be a continental-type of drug store, cosmetic or photographic business?
- (4) The multiples have a very strong vested interest. What is their reaction likely to be?

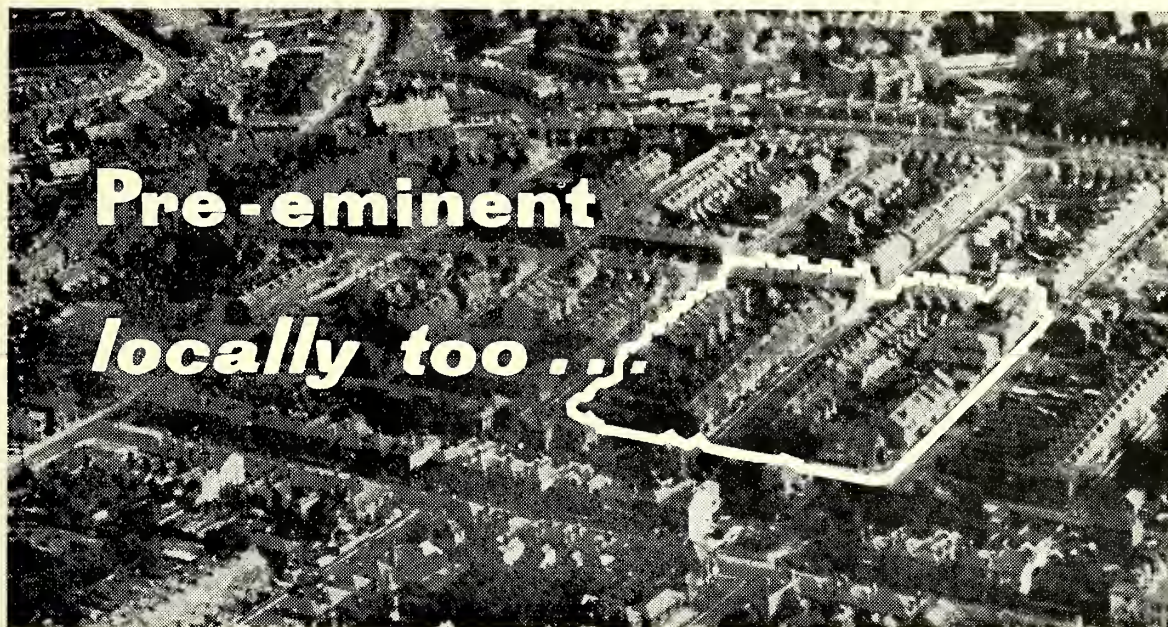
The list of queries could be extended indefinitely as there are so many imponderables to be considered. The situation does need most careful thought and close attention, otherwise the "proprietor pharmacist" as we know him at present will disappear.

LINESMAN

Wanted Improved Conditions

SIR,—Retail pharmacy can only rely on drugs if, whether poisons or not, they are sold only through the pharmacist. Until that is the case, the pharmacist may not be able to afford to dispense with cosmetics, etc. I think hospital work will appeal to and attract a good type (degree, three-years' or two-years' training) if conditions improve and are similar to those offered to biochemists, etc., with degrees. There is plenty of room in the senior grades for those with experience, but an unwillingness to work through the basic grades, where so much good experience can be obtained that is essential before taking up senior posts.

(MISS) M. GARNETT
Newcastle-on-Tyne



ACHROMYCIN tetracycline is unsurpassed among broad-spectrum antibiotics. Not only is this true in severe generalized infections but in the strictly localized conditions too, where topical application of the drug can be relied upon to exert intensive antibacterial action — right at the site of infection — with gratifying certainty and with the minimum of side reactions. This valuable property of ACHROMYCIN has led to the formulation of a comprehensive range of topical presentations — each with a well defined place and purpose in general and hospital practice.

ACHROMYCIN*

* REGD. TRADE MARK

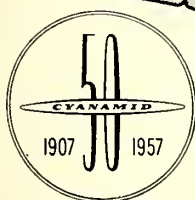
TETRACYCLINE



- SKIN INFECTIONS - ACHROMYCIN Ointment 3%
- EYE INFECTIONS - ACHROMYCIN Ophthalmic Ointment 1%
- ACHROMYCIN Ophthalmic Powder Sterilised
- EAR INFECTIONS - ACHROMYCIN for Ear Solution
- THROAT INFECTIONS - ACHROMYCIN Troches

LEDERLE LABORATORIES DIVISION

Cyanamid OF GREAT BRITAIN LTD., London, W.C.2



TWO OF SILVIKRIN



COUNTY LABORATORIES LTD, COUNTY BUILDING, HONEYP

'S BEST SELLERS

W IN NEW SIZES

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The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Rights in the Space Above Premises

WHEN a dispute arose recently between occupiers of adjoining premises, the debate turned on whether an owner or leaseholder controls the space immediately above his premises as well as the premises themselves.

The point at issue was whether advertising signs which were displayed by the occupier of one set of premises constituted a trespass of the other's rights, entitling the aggrieved party to an order for their removal. The plaintiff held the lease of a shop and carried on a retail business there. The premises were a ground floor corner shop with a flat roof on top. At the back there was an adjoining building of three stories. Its occupiers had displayed three advertising signs on the wall of the building, over the plaintiff's shop. The signs were not painted on the wall but were on a sign or board fixed against the wall and extending about 4 in. into the air space above the flat roof of the shop. In April 1948 the plaintiff's landlords gave consent to the erection by the defendants of a large new sign in place of the then existing one.

In December 1948 the landlords granted the plaintiff a new lease that was expressly subject to "all rights of easements to any of the adjacent property."

In January 1950 the landlords gave defendants permission to erect yet another new sign in place of the old one, and it was erected with the plaintiff's knowledge, though no express permission was given by him. Its total length was 20 ft. and it protruded over his shop by about 8 in. From time to time the defendant's servants had access to the sign through the plaintiff's shop and with his knowledge, for the purpose of maintaining it.

In December 1953 the plaintiff requested the defendants to remove the sign. Later he informed them that it could remain, but finally gave notice to them to remove it. Upon their failure to do so he brought proceedings against them.

The court held that the grant of the lease of the shop had the effect of conveying to the plaintiff, as lessee, all the air space above the shop, even though he may never have intended to make any use of that air space. They held further that the permission granted by the landlord for the erection of the signs did not create an easement over the plaintiff's premises under which the owners of the adjoining property gained the right to erect a sign protruding over the plaintiff's premises. A further point was that a new consent, for the erection of a new sign, had been given by the landlords in 1950, after the grant of the lease to the plaintiff in

1948. If that consent purported to create an easement it was ineffective, since the landlord could not curtail the rights he had already granted by the lease to the tenant of the shop.

A noteworthy feature of the case is that the plaintiff was aware of the erection of the sign and did not object in the first instance. The court held that that did not prevent him from later insisting on his right to have the sign removed. Even had the plaintiff given express permission for the erection of the sign, he would have still been entitled, unless he had also contracted that the sign should be allowed to remain for any stated period, to give reasonable notice requiring its removal. There was, however, no express permission, although there might be an implied permission.

Another point determined in the case was whether infringement of an air space constituted a trespass or a nuisance, the first being actionable without proof of damage and the nuisance only arising if there is loss or damage. The court found that the sign did not cause any inconvenience or any interference with the plaintiff's use of his air space. If, therefore, the case were one of nuisance only, the plaintiff would appear to have had no remedy. On the question of damages the court decided that, although the plaintiff had suffered no harm, and was not affected in the enjoyment of his premises by the projection of the sign over his shop, he was entitled to an injunction. A factor that appears to have particularly influenced the court was the defendants' insistence that they were entitled, as of right, to display the sign.

A Card Index for Doctors

AN article in the *Supplement to the British Medical Journal* dated July 13 argues that the sheer volume of literature posted to doctors by pharmaceutical manufacturers forces doctors to consign the majority of the leaflets, etc., they receive to the waste-paper basket. According to the author (Dr. J. D. W. Whitney), a doctor therefore finds that when he wishes to prescribe a certain product he has often no literature to consult. The solution he suggests is a standardised card index to include all products on the market and not advertised to the public, from whichever maker they emanate. The card would be of the size of a National Health Service medical record card ($7\frac{1}{2} \times 5$ in.) and would have, in addition to "the usual logical headings," the following features:

1. Date of introduction of the product and date of card, so that the doctor is able to see at a glance how long the product has been in use and whether the information is up-to-date.
2. Dosages for both children and adults—"especially in the case of antibiotics."
3. A bibliography giving the principal published articles or papers on the use of the product.
4. A picture of the tablet or capsule (as a means of identification).
5. A space for the doctor's own notes on the product.

The set of cards would have to be co-ordinated with a fully referenced therapeutic (or diagnostic) index. A further refinement of the scheme would be a code number entered on the card and which could also be stamped on the tablet as a means of identification.

The author envisages that the scheme would be administered by a "respected independent body of the pharmaceutical industry and financed by firms who take part in it." We foresee no great rush on the part of the manufacturers to be the first to participate.

BRITISH NATIONAL FORMULARY, 1957

A change of title and many changes of content

J. W. HADGRAFT, F.P.S., F.R.I.C.

Pharmaceutical Press (jointly with the *British Medical Association*), 17 Bloomsbury Square, London, W.C.1.
6½ x 4¼ in. Pp. 226. Standard edition. 6s. 6d., postage 5d.
Interleaved, 10s., postage 8d.

WHILST the 1957 edition of the National Formulary follows closely the format and layout of the previous edition, it has a number of distinguishing features that make its publication a noteworthy occasion.

Henceforth the book becomes known as the British National Formulary, to distinguish it from the National Formulary of the United States. The "Notes for Prescribers" have been revised, and pharmacists in rural areas may find information specially useful to them in the section on "Poisoning," since that now includes agricultural poisons. Cortisone, hydrocortisone and allied substances have been added to the notes on hormones. Formulas of preparations in the Dental Practitioners' Formulary are now given in the appendix, a change that should be welcome to the busy pharmacist called upon to dispense dental prescriptions.

The general section of the Formulary is set out as in the previous edition, preparations being grouped alphabetically under their Latin titles, and abbreviated Latin being used for the names of the individual preparations. Doses are given in the metric system, but the Imperial dose is also given for preparations that are commonly prescribed in Imperial quantities.

The increasing tendency to use proprietary preparations in prescribing is reflected in the text, which attempts to make a more realistic approach to that problem. Thus of 101 additions, twenty-five are available only as single proprietary products; they are indicated throughout the Formulary by a distinguishing mark. Included under the heading are a number of preparations that were included in the previous edition (e.g., tab. promethazin. hydrochlor.). The distinguishing mark should prevent some of the difficulty that has arisen in the past when prescribers have used an official title and shown surprise that a proprietary preparation has been supplied. It will be noted that the edition makes a new departure in including proprietary preparations other than tablets, capsules and injections (for example crem. crotamiton.). The following list of the new single proprietary products may be of assistance to the practising pharmacist:—

B.N.F. TITLE	PROPRIETARY NAME
Caps. aureomyc.	Aureomycin capsules
„ diphenhydramin.	Benadryl capsules
„ oxytetracyc.	Terramycin capsules
Crem. crotamiton.	Eurax cream
„ dibromopropamid.	Brulidine cream
Inj. levorphan.	Dromoran injection
„ sod. antimonylglucon.	Triostam injection
Lot. crotamiton	Eurax lotion
Tab. amodiaquin.	Camoquin tablets
„ carbimaz.	Neo-Mercazole tablets
„ chloroquin. sulph.	Nivaquin tablets
„ chlorpromazin.	Largactil tablets
„ cyclizin.	Marzine tablets
„ dimenhyd.	Dramamine tablets
„ levorphan.	Dromoran tablets
„ meclozin.	Ancolan tablets
„ nitrofurantoin.	Furadantin tablets
„ oxytetracyc.	Terramycin tablets
„ pentolin. tart.	Ansolsen tablets
„ phendamin.	Thephorin tablets
„ phenylbutazon.	Butazolidin tablets
„ piperazin. adip.	Entacyl tablets
„ primidon.	Mysoline tablets

B.N.F. TITLE	PROPRIETARY NAME
Tab. promethazin. chlorotheo- phyllin	Avomine tablets
„ pyrimethamin.	Daraprim tablets
„ l-thyroxin. sod.	Eltroxin tablets

Most of the additions have been foreshadowed by the Addendum to the British Pharmacopoeia or the Supplement to the British Pharmaceutical Codex. There are only four new mixtures, in contrast to thirty-four tablets, sixteen injections and six capsules—a further indication of modern trends in prescribing. Noteworthy additions are the wide-spectrum antibiotics (aureomycin, oxytetracycline and tetracycline) and phenoxymethylpenicillin, the latest oral penicillin preparation. Nitrofurantoin, a synthetic drug used particularly for urinary tract infections, is a new B.N.F. preparation. Cachets of sodium aminosalicylate are included under "cachet," and not under the older Latin titles "charta" or "capsula amylacea."

The prescriber now has in the Formulary a wider range than previously of antihistamines from which to choose—diphenhydramine and phenindamine being added to those previously included. Related substances include preparations used for the prevention of travel sickness (dimenhydrinate, promethazine chlorotheophyllinate, cyclizine and meclozine). Another related compound is chlorpromazine, which has little antihistaminic activity but is widely used as a tranquillising agent, as an adjunct in surgical anaesthesia, and for its potentiating effect in combination with analgesics.

Additions to the hormone preparations include cortisone acetate (injection and tablets), hydrocortisone (ointment), hydrocortisone acetate (eye-drops, eye-ointment, injection and ointment), prednisone (tablets), prednisone acetate (tablets) and prednisolone (tablets). Hydrocortisone and hydrocortisone acetate ointments are both greasy, and a suitable base, consisting of wool fat and white soft paraffin, is suggested. The suggested formula is mainly for hospital pharmacists who are able to prepare the ointment, and proprietary formulations having a greasy base are equally permissible; a strength of 1 per cent. is to be supplied if no strength is stated. The three types of insulin zinc suspension described in the Addendum to the B.P. are now included in the Formulary, and tablets of l-thyroxin sodium are taken from the B.P.C. Supplement. Stilbestrol pessaries, B.P.C., are also included for the first time.

Apart from its use in hospitals and general practice in this country, the British National Formulary also answers the needs of the Armed Services. For that reason there have been added a number of preparations used in combating tropical infections (amodiaquin, chloroquin, sodium stibogluconate, sodium antimonylgluconate, stibophen, solapsone, suramin, tryparsamide, pyrimethamine and pentamidine). Piperazine, which has proved effective in the treatment of threadworm infestation, is included both as the elixir of the citrate and as tablets of the adipate.

Analgesic preparations have been supplemented by the addition of levorphanol (injection and tablets) and by tablets of morphine sulphate. A new tablet (tab. acid. acetylsalicyl. et opii co.), containing aspirin, phenacetin and Dover's powder, needs to be distinguished carefully from the tablet of aspirin and Dover's powder, B.P. Amongst the new mixtures mist. sod. sal. fort. is worthy of mention. It contains gr. 20 of sodium salicylate in each ½ fl. oz., and has been included to enable adequate blood concentrations of salicylate to be achieved in the treatment of acute rheumatism.

Sedative and hypnotic preparations have been enlarged by the addition of methylpentynol capsules, amylobarbitone

sodium capsules and pentobarbitone sodium tablets. An elixir of chloral for infants, containing gr. 1 in each 60 minims, and flavoured with syrup of black currant, has been added. The hypotensive drug pentolinium tartrate is included (tab. pentolin. tart.) and the Formulary directs (although the substance is not a Schedule-IV poison) that the number of tablets and the amount in each shall be stated by the prescriber. A similar direction is included for phenindione tablets, which are now available in two strengths: 10 mgm. and 50 mgm.

Amongst preparations for use on the skin there are five new creams and five new lotions. Calamine cream, containing calamine and zinc oxide in an oil-in-water emulsified base, takes the place of compound calamine cream. The latter preparation is retained in the B.P.C., and should still be supplied when crem. calamin. co. is ordered. Podophyllum compound paint (pig. podoph. co.) is a new preparation containing approximately 15 per cent. of podophyllum resin in compound tincture of benzoin; it replaces podophyllum paint, B.P.C., which contains 25 per cent. of the resin in liquid paraffin.

Sixty-seven preparations have been deleted, including thirteen injections and six tablets. Amongst them are penicillin cream and lozenges, mercuric-nitrate nasal drops,

Whitehead's varnish (pig. iodof. co.), crystal-violet pills, and diphenan tablets.

The composition of twenty-three preparations has been amended, most of the changes having been already published in the Supplement to the B.P.C. (see *C. & D.*, May 11, p. 516). Chlorocresol (0.1 per cent.) has been added to both ear-drops and nasal drops of penicillin to inhibit the growth of penicillinase-producing organisms. The concentrations of zinc oxide and bismuth carbonate in ung. zinc. c. camph. have been reduced.

The Pharmacological Classification of the Formulary has been revised and amended, and now forms the basis of an alternative edition shortly to be published. It is intended primarily for medical users of the Formulary, and the preparations and formulas included are being grouped according to their pharmacological action and use, instead of their pharmaceutical nature as in the standard edition. In the alternative edition English titles are being used throughout, and the notes for prescribers are considerably enlarged. Though intended primarily for prescribers the edition will, it is hoped, also provide a valuable companion volume to the British National Formulary for many pharmacists, and should be particularly useful to those engaged in hospital pharmacy.

Onward from Galen

A CURRENT CAUSERIE

NOT every new use for a new material is an improvement on the old. Recently a coroner at Hammersmith, London, had occasion to condemn the use of plastic material for a baby's bib. At an inquest he was conducting a baby's death at three months' old was attributed to asphyxiation from the use of such a bib, which had effectively created an airtight seal over the nose by adhesion when the baby dribbled. The warning should be noted by any chemists whose present stock-in-trade may include items involving similar risks.

★

In a "guest" editorial in the May 25 issue of the *Journal of the American Pharmaceutical Association*, Dr. A. J. Lehman declares that controlled research by competent investigators into skin properties and mechanisms and related problems of pharmacology and toxicology has not kept pace with the new products introduced into the market, and the claims made on their behalf. Suggestions that certain products would serve as skin foods, skin rejuvenators, "contour" creams (for bust reducing) or deep-pore cleansers are not backed by convincing evidence. Nor was there anything known to science that would restore colour to hair or cure early male baldness. The addition of biologically active substances to cosmetic preparations posed a problem, in that it had set a precedent which might be followed by the indiscriminate use of similarly potent synthetic chemicals. Dr. J. H. Black, in the same issue of the *Journal*, writes that clinical evidence in support or contradiction of the efficacy of oestrogenic creams in delaying the ageing process in the skin is meagre, and a well-controlled study with twenty-seven women of various ages over a period of ninety-one days revealed no difference that could be detected between treated and untreated areas. Although vitamin A penetrates intact human skin it does so but slowly, and only a small portion of the amount applied reaches the granular and Malpighian layer of the epidermis, where faulty keratinisation may become corrected. There is still little evidence to show that abnormal keratinisation is altered by external applications of vitamin A to any greater extent than it would be by the application of the base alone.

★

A BULLETIN of food news giving information such as acidity, temperature and pressure within the stomach may

be the result of recent Swedish research. The swallowing of a capsule of horseball dimensions is claimed to give details of such phenomena as a result of the use of a miniature transmitter whose operation is controlled by a heat- and pressure-sensitive diaphragm. An acid-concentration-recording mechanism is being developed for use with the equipment, and already the device has been successfully tested in a number of experiments with patients (of presumably prodigious swallowing capacity).

★

ALMOST as popular as the present Asiatic influenza is unpopular was Asiatic tooth-powder, which was marketed late in the eighteenth century and sold extensively until 1824. First advertised in 1789 it was prepared and sold by the widow of a chemist, Ninian Trotter, 32 New George Street, London, with Messrs. Champanty, Jury Street, the wholesale agents. The preparation had earlier been dispensed by Mr. Trotter for Dr. J. Debray, Fleet Street, who had conceded the sole rights before leaving to practice in Russia. The dentifrice, used by royalty, nobility and fashionable persons, became such a seller that a counterfeit preparation was marketed. Mrs. Trotter replied with a "none original unless it bears the signature" stipulation and, signing "M. Trotter" on the legal stamp affixed to the cover, sold each box at a profitable 2s. 6d. Among the claims advanced for the dentifrice were its freedom from injurious ingredients and that if it were used regularly decay could be arrested. The information is contained in a recent letter to the editor of the *Glasgow Herald*.

★

THE happy coincidence of the presence together at a social gathering of the late Frederick Soddy, pioneer of research into atomic phenomena, and a doctor novelist, Dr. Margaret Todd, gave the world the word *isotope* in 1912. Soddy, a lecturer at Glasgow University, remarked at the gathering at 11 University Gardens, Glasgow, that he needed a word to express the new concept of elements occupying the same place in the Periodic Table. Dr. Todd immediately suggested *isotope* and to commemorate the coining of the word, according to a correspondent in a recent issue of *Chemistry and Industry*, the Glasgow and West of Scotland section of the Royal Institute of Chemistry is making arrangements to affix a plaque bearing the names of Soddy and Dr. Todd to the house.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

ALBAMYCIN syrup

MANUFACTURER: Upjohn of England, Ltd., Fleming Way, Crawley, Sussex.

DESCRIPTION: A syrup containing in each 5 c.c., 125 mgm. of novobiocin calcium.

INDICATIONS: As for Albamycin tablets.

DOSAGE: *Children*, 15 mgm. per kilo body weight daily.

HOW SUPPLIED: In 2-oz. bottle.

FIRST ISSUED: April 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

COGENTIN

MANUFACTURER: Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

DESCRIPTION: Tablets, each containing 2 mgm. benztrapine methanesulphonate.

INDICATIONS: Parkinson's syndrome.

DOSAGE: 0.5-6 mgm. daily. Average dose 1-2 mgm. given either in divided doses, or as a single dose at bedtime.

HOW SUPPLIED: In pack of 100.

FIRST ISSUED: July 1957.

REFERENCES: *J. Amer. med. Ass.*, 1956, **162**, 1031.

NOTES: The drug is P.I., S.I., S.4.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

TETRACYN P

MANUFACTURER: Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

DESCRIPTION: Capsules, each containing the equivalent of 250 mgm. tetracycline hydrochloride activity and 380 mgm. sodium hexametaphosphate. The sodium content of each capsule is 92 mgm.

INDICATIONS: Systemic and local infections caused by a wide variety of pathogenic organisms including aerobic and anaerobic Gram-positive and Gram-negative cocci and bacilli; actinomycetes, spirochaetes; "large viruses" and certain protozoa and helminths.

DOSAGE: *Adult*, average minimal daily, 1 gm. in two or four equal parts (a higher dose may be required for severe infections); *Children*, 5-10 mgm. per lb. body weight daily.

HOW SUPPLIED: In bottles of sixteen, 100 and 1,000.

FIRST ISSUED: June 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

CORTRIL lotion with neomycin

MANUFACTURER: Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

DESCRIPTION: An aqueous lotion containing 0.5 per cent. or 1 per cent. of hydrocortisone alcohol and with 0.5 per cent. neomycin sulphate.

INDICATIONS: Superficial pyogenic infections and infections associated with minor burns or wounds; atopic dermatitis including allergic eczema, disseminated neuro-dermatitis, pruritus with lichenification, eczematoid dermatitis, food eczema and infantile eczema; contact dermatitis due to plants, drugs, detergents, cosmetics, clothing material and miscellaneous substances; non-specific pruritus of the anus, vulva and scrotum.

USE: The affected area should be thoroughly cleansed, and a small quantity of the lotion gently applied to the lesion. At the beginning of treatment the lotion may be applied up to four times a day. The frequency can then be decreased depending on the response.

HOW SUPPLIED: In plastic dropper bottle of 20 mls.

FIRST ISSUED: March 18, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

NYSTATIN for suspension

MANUFACTURER: E. R. Squibb & Sons, 17 Old Bond Street, London, W.1.

DESCRIPTION: Sweetened granular powder intended to be mixed with water immediately before use to produce a suspension containing 100,000 units Nystatin per c.c. and stable for seven days at room temperature.

INDICATIONS: Moniliasis of mouth and intestines; some cases of generalised moniliasis.

DOSAGE: See manufacturer's literature.

HOW SUPPLIED: In twenty-four-dose bottle with dropper.

FIRST ISSUED: May 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

PERTIX—Hommel

MANUFACTURER: Hommel Pharmaceuticals, 121 Norwood Road, London, S.E.24.

DESCRIPTION: A liquid preparation for treatment of pertussis, particularly from the viewpoint of eliminating or relieving the associated Schwartzman phenomenon. Each fluid drachm contains diphosphoric acid ester of menaphthone, 5.28 mgm.; isoniazid, 35.23 mgm.; and 2-diethylaminoethyl- β -phenylbutyrate citrate, 3.52 mgm.

INDICATIONS: See "Description" above.

DOSAGE: *Children*, generally $\frac{1}{2}$ teaspoonful per kilo body weight; *Adults*, 3-5 tablespoonfuls daily.

HOW SUPPLIED: In bottles of 125 and 250 mls.

FIRST ISSUED: April 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

PENOTRANE detergent

MANUFACTURER: Ward, Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1.

DESCRIPTION: An antiseptic detergent containing 0.4 per cent. phenylmercuric dinaphthylmethane disulphonate and 75 per cent. triethanolamine lauryl sulphate.

INDICATIONS: 1. For cleansing skin and wounds; for removing crusts, scabs, ointments. 2. For cleansing areas affected by ringworm. 3. For washing the hair and scalp in seborrhoea capitis. 4. For vaginal toilet.

USE: Appropriately diluted with water for the above (1:4 to 1:20).

HOW SUPPLIED: In bottles of 100, 500 and 2,000 c.c.

FIRST ISSUED: May 1957.

REFERENCES: Goldberg and others, *J. Pharm. Pharmacol.*, 1950, **2**, 20. *Ibid.*, 1950, **2**, 87.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

QUADRIN

MANUFACTURER: Ward, Cassenne, Ltd., 116 Victoria Street, London, S.W.1.

DISTRIBUTOR: Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

DESCRIPTION: A preparation for the non-hormonal treatment of the premenstrual syndrome. It contains: Ammonium chloride, 0.3 gm.; reserpine, 0.2 mgm.; homatropine methylbromide, 0.5 mgm.; caffeine, 0.03 gm.

INDICATIONS: The premenstrual syndrome, reducing water retention, countering depression and spasmodic pain.

DOSAGE: 2 tablets three times daily for the ten days preceding menstruation.

HOW SUPPLIED: In bottle of fifty sugar-coated tablets.

FIRST ISSUED: May 15, 1957.

REFERENCES: Morton and others, *Amer. J. Obstet. Gynec.*, 1953, **65**, 1182. Greenhill and Freed, *Endocrinology*, 1940, **26**, 529. Eichner and Waltner, *Med. Tms.*, 1955, **83**, 771.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

CAPRYGEL

MANUFACTURER: Ferris & Co., Ltd., Portland Square, Bristol, 2.
 DESCRIPTION: A non-staining jelly containing sodium caprylate 10 per cent.

INDICATIONS: Denture-sore mouth and angular cheilitis.

HOW SUPPLIED: In tube.

FIRST ISSUED: May 1957.

REFERENCES: Lyon and Chick, *Dent. Practit.*, 1957, 7, 212.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

PIRITON DUOLETS

MANUFACTURER: Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

DESCRIPTION: Tablets each containing 8 mgm. of Piriton maleate (chlorpheniramine maleate); 4 mgm. in the outer shell for immediate action and 4 mgm. in the specially coated inner core for delayed action.

INDICATIONS: Hay-fever, vasomotor rhinitis; urticaria; angio-neurotic oedema; food allergy, etc.

DOSAGE: *Adults*, 1 Duolet every eight to ten hours; *Children*, the older child who is able to swallow tablets may take one Duolet in the morning.

HOW SUPPLIED: In bottles of twenty-five and 250.

FIRST ISSUED: April 25, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

DRAMAMINE injection

MANUFACTURER: G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks.

DESCRIPTION: 5-c.c. vial containing 250 mgm. dimenhydrinate, dissolved in a medium of 5 per cent. benzyl alcohol, 50 per cent. propylene glycol and water q.s.

INDICATIONS: Prophylaxis and treatment of anæsthetic sickness, migraine, Meniere's disease, and relief of nausea, vomiting and vertigo in patients who cannot take oral tablets or who need specially prompt or profound relief.

DOSAGE: *Anæsthetic sickness*, 50 mgm. before anæsthesia; 50 mgm. on return from theatre, and three further doses of 50 mgm. at four-hourly intervals. *Other indications*, 50-100 mgm. as required, *Maximum daily dose*, 400 mgm.

HOW SUPPLIED: In box of six vials.

FIRST ISSUED: July 18, 1957.

REFERENCES: Moore and others, *J. Amer. med. Ass.*, 1955, 159, 1342. Vaisberg, *Ann. Allergy*, 1954, 12, 180. Williams, *Geriatrics*, 1956, 6, 8.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

OCTAFLEX

MANUFACTURER: Ward, Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1.

DESCRIPTION: An antiseptic plastic dressing. The dried film is tough, pliable, transparent and permeable to air and water vapour, but not to bacteria. It adheres strongly to skin free from moisture and grease. It consists of methacrylate resin containing 1 per cent. Octaphen (β -p-tert, octylphenoxyethyl diethyl benzyl ammonium chloride), a quaternary ammonium antiseptic compound. The resin is dissolved in ethyl acetate and alcohol.

INDICATIONS: 1. As antiseptic covering in place of traditional dressings such as gauze and bandages, for abrasions, minor wounds, burns, stings, vaccination areas, impetigo, ring-worm, herpes, nailbed infection. 2. As pre-operative cover and post-operative dressing. 3. As an application around ileostomy or wet colostomy stomata to prevent skin maceration.

USE: Films of any desired thickness may be obtained by spraying on or applying further Octaflex when the surface of the initial application has become tacky.

HOW SUPPLIED: In aerosol container with detachable valve; in refill aerosol container; and in single 2-dr. tube and carton of twelve.

FIRST ISSUED: May 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

MIO-PRESSIN

MANUFACTURER: Smith, Kline & French Laboratories, Ltd., Coldharbour Lane, London, S.E.5.

DESCRIPTION: Hypotensive capsules in two strengths: No. 2 containing *Rauwolfia serpentina* (whole root), 25.0 mgm.; protoveratrine, 0.2 mgm.; Dibenyline (phenoxybenzamine hydrochloride), 5.0 mgm.; No. 1 containing half the above quantities.

INDICATIONS: Hypertension.

DOSAGE: Average, 3-6 No. 2 capsules daily. The optimum dose should be individually determined.

HOW SUPPLIED: In containers of fifty (each strength).

FIRST ISSUED: March 1957.

REFERENCES: Peel, *Brit. Encyc. med. Prac.*, 1950, 2, 657. Orgain, *Postgrad. Med.*, 1955, 17, 318. Smith and others, *Amer. J. med. Sci.*, 1955, 230, 422. Waldron and others, *Amer. J. med. Sci.*, 1955, 230, 556. Duncan, *Philad. Med.*, 1955, 50, 1231. Gillhespy, *Bgham. med. Rev.*, 1957, 19, 206. Moyer and others, *Amer. J. med. Sci.*, 1955, 230, 33.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

PREDNISOLONE, P., D. & Co.*

MANUFACTURER: Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex.

DESCRIPTION: Scored tablets each containing 5 mgm. prednisolone.

INDICATIONS: As for cortisone and hydrocortisone.

DOSAGE: INITIAL: 15-30 mgm. daily for several days depending upon clinical response. That should then be reduced by suitable decrements at intervals of two or three days until a minimal daily maintenance dosage is achieved. The daily dosage should be given in divided doses after meals and at bedtime. Termination of therapy should be gradual.

HOW SUPPLIED: In bottles of twenty-five, 100 and 500.

FIRST ISSUED: May 10, 1957.

* New cross reference for card index:

PREDNISOLONE: See Codelcortone; Co-Hydeltra; Cordex; Deltacortril; Deltalgycortril; Delta-Stab; Di-Adresan-F; Hydrodeltalone; Prednisolone, P., D. & Co.; and Ultracorten-H.

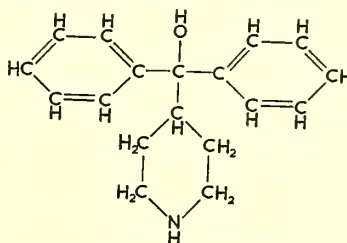
THE CHEMIST AND DRUGGIST Guide to New Medicaments (August 3, 1957)

FRENQUEL

MANUFACTURER: W. S. Merrell Co., London.

DISTRIBUTOR: In United Kingdom and Republic of Ireland, Riker Laboratories, Ltd., Loughborough, Leics.

DESCRIPTION: Aqua blue tablets containing 20 mgm. α (4-piperidyl) benzhydryl hydrochloride, generically designated azacyclonol hydrochloride:—



INDICATIONS: Relief of hallucinations and delusions in acute schizophrenia and various toxic psychoses such as post-operative confusion and alcoholic hallucinosis.

DOSAGE: Varies considerably for each patient, but 2 tablets three or four times a day are suitable initially. Later that can be increased if necessary.

HOW SUPPLIED: In bottles of 100 and 500.

FIRST ISSUED: May 13, 1957.

REFERENCES: Fabing and Hawkins, *Dis. nerv. Syst.*, 1955, 16, 11. Proctor and Odland, *Dis. nerv. Syst.*, 1956, 17, 25. Cohen and Parlour, *J. Amer. med. Ass.*, 1956, 162, 948. Sargant, *British med. J.*, 1956, 1, 939.

THE COPYRIGHT ACT, 1956

How it affects students, pharmacists and manufacturers

THE Copyright Act, 1956, although it was passed at the end of that year, did not come into force until June 1, 1957. Many of its provisions are new, but it is doubtful whether they affect the pharmacist in his daily work to a greater degree than the previous Act (the Copyright Act, 1911). Publicity given to the Act, however, and the publication of Rules thereunder, has brought to the attention of the profession the fact that copyright is a matter which concerns the pharmacist, whether he be student, in retail, or in industry.

The Copyright Act not only makes a number of new provisions dealing with modern developments such as radio and television, but replaces the Copyright Act of 1911 and implements many of the recommendations of the Copyright Committee, whose report (Cmd. 8662) was made available in 1952. It also allows the Government to ratify the Universal Copyright Convention of 1952.

In this necessarily brief review it is proposed to deal only with those portions of the Act and Rules, whether they be old or new provisions, which affect the pharmacist in practice. The Rules concerned are:—

The Copyright (Libraries) Regulations, 1957 (S.I., 1957, No. 868); The Copyright (Industrial Designs) Rules, 1957 (S.I., 1957, No. 867); The Copyright (Notice of Publication) Regulations, 1957 (S.I., 1957, No. 865).

Definitions

The Act defines copyright and infringement. Copyright in simple terms may be stated to be exclusive right in an original literary work (and that means all published written matter), photographic work, sound recordings, films and broadcasts. Infringement is the distribution, for purposes of trade, of articles made in breach of copyright, though there is no infringement in fair dealing with the work for the purposes of private study. It will therefore be seen that the student who, to assist in his studies, takes copies of published scientific works, does not infringe copyright. It is, however, infringement of copyright for a manufacturer to take copies, whether photographs or typewritten copies, of scientific articles referring to products, and to distribute them to his customers or prospective customers. That is distribution for the purposes of trade, and it is essential that permission should be obtained and that any payment required should be made. It should be noted that, whereas normally copyright belongs to the author, the copyright of an article that has been commissioned by a magazine or periodical, and has been written as a result of the commission, lies with the magazine or periodical and not with the author. Many retail pharmacists display photographs either in their window or on the counter with a view to advertising their photographic business. Generally speaking that would be interpreted as distribution for the purposes of trade, and would be a breach of copyright, though so far there is no decision known to have been recorded against a chemist in the courts on this matter. The copyright in a photograph normally resides with the person who took the photograph, except that, where a person photographs somebody else under a definite commission, and is paid for so doing, the copyright is with the person who makes payment.

A number of manufacturing houses publish, for prestige purposes, old medical and scientific works and distribute them to selected customers and friends. It is well for them to realise for how long copyright extends, namely for fifty years after the death of the author or (of works published anonymously) fifty years from the date of publication. The Copyright (Notice of Publication) Regulations prescribe the manner in which persons intending to publish old copyright works preserved in archives are to give notice of their intention if they do not know the identity of the copyright

owner. Notice must be given by advertisement in a daily or Sunday newspaper with a national circulation and must appear twice, the second occasion being not less than two months before the date of publication.

It was stated earlier that fair dealing with copyright work for private study is allowed, and that includes research. Acknowledgment must be given, and there must be no circulation of the material used or copied. A case that has been decided has determined that, whereas a student may make use of copyright material for his own purposes, he would be infringing copyright if he were to copy and circulate it among his fellow students. What is research and what is dealing with copyright material for trade purposes is sometimes difficult to define, and it would be necessary to judge each case on its merits.

Libraries' Use of Published Material

Section 7 of the Act granting special exceptions in respect of libraries and archives has been regarded by the pharmaceutical industry as unsatisfactory. That section and the regulations made under it (the Copyright (Libraries) Regulations) allow certain classes of library to make copies of copyright works for the purposes of research or private study, or for the purpose of supplying other libraries, and lay down that that is no infringement of copyright. Section 7 of the Regulations confers new rights on libraries, as previously such copying and circulation would have been infringement. It has been stated that the purpose of the Section is to enable students and research workers to obtain copies and extracts of works of reference without having to make the copies themselves. Libraries established or conducted for profit may not make copies except for supplying to other libraries. Many of our leading pharmaceutical manufacturers maintain excellent technical and scientific libraries, some of them better equipped than those run by non-profit-making associations. Although final interpretation lies with the courts, it has been stated that a library attached to a commercial firm is defined as a library established or conducted for profit, and such a library may not take advantage of the Section and Regulations. It follows that, whereas a library such as that of the Pharmaceutical Society may make copies of scientific works and circulate them to genuine students and research workers, a library attached to a pharmaceutical house may not do so without obtaining permission and making payment of any fee demanded. That position appears unfair, because those libraries are not in themselves run for profit. Provided their service is restricted to circulation of scientific matter to research workers, there seems no reason why they should not enjoy equal facilities.

For the first time copyright is established in television and sound broadcasts and in films themselves, as apart from the matter, sound, vision, etc., of which they are composed. Although pharmaceutical houses undertake television and radio advertising, infringement of their copyright is unlikely to take place.

The Copyright (Industrial Designs) Rules provide that some of the protection given to a design as an artistic work under the Act is removed where goods to which that design has been applied industrially are placed on the open market. That matter is a small one unlikely to trouble the manufacturer selling goods protected as a registered design.

To sum up, it may be said that, for the manufacturer who has acted honestly in the past, the new Act and Regulations will make little difference, and there is no cause for him to revise his procedures. Doubtless some smaller manufacturers, and occasionally retailers, do infringe copyright, but the vast majority of cases are unimportant. A request for permission before publication and distribution will usually avoid any difficulties.

POTENTIAL HAZARDS OF A TRANQUILLISER

Report on meprobamate by the (American) Council on Drugs

THE Council on Drugs of the American Medical Association has issued a report giving advice to doctors on possible adverse reactions to meprobamate.

The report aims at pointing out that side effects and untoward reactions to meprobamate can and do occur and that the drug should be administered with the same discretion as other therapeutic agents. The report says that since its introduction almost two years ago, the tranquillising agent meprobamate (Equanil, Mepavlon, Miltown) has been received with considerable enthusiasm by the general public as well as by large segments of the medical profession. As the use of the drug has multiplied, however, it has become increasingly apparent that meprobamate is capable of producing a rather wide variety of side-effects and untoward reactions. Although no fatalities have been reported to date, some of those reactions are alarming and potentially hazardous. Hence, it seems advisable to apprise doctors of the possible adverse reactions to meprobamate.

Recurrent Complications

Hypersensitivity reactions have occurred with sufficient frequency to indicate that those are definite and not incidental complications of meprobamate therapy. Dermal manifestations have included urticaria and diffuse maculopapular and erythematous skin rash, often accompanied by intense pruritus. Shaking chills and fever may also occur. Some patients have experienced those allergic-type reactions after single oral doses of as little as 0.4 gm. Sometimes symptoms have been severe enough to require the administration of corticotrophin or adrenocortical steroids. Since hypersensitivity reactions of that type have occurred in patients with no previous history of allergy or prior exposure to meprobamate, the drug should be administered cautiously to such patients and should be withdrawn at the first sign of a cutaneous eruption.

Acute non-thrombocytopenic purpura is another potentially serious type of hypersensitivity reaction to meprobamate. It has occurred in at least four patients to date. Platelet counts are not affected, but there is evidence of increased capillary permeability. There is no evidence that meprobamate exerts an adverse effect on the hæmatopoietic system or is a causative agent in blood dyscrasia.

Several reports of acute meprobamate intoxication have been recorded. In most instances they have resulted from deliberate ingestion of very large amounts of the drug, ranging from 6 to 38 gm. None of those reported suicidal attempts has been successful, but severe central depression with alarming signs and symptoms has been observed. Those include coma with shallow respiration, muscular weakness, absence of reflexes, and hypotension approaching shock-like levels. In the most severe cases, complete respiratory and vasomotor collapse have been reported. No definite antidote or regimen of therapy

for overdosage has been devised. It is therefore important that meprobamate should be prescribed with great discretion and in small quantities, if at all, in patients who may have suicidal tendencies.

There is also some evidence that meprobamate possesses habit-forming properties. Withdrawal symptoms, including convulsions in some patients, have been observed when use of the drug has been discontinued abruptly after prolonged therapy. In such cases the drug should be withdrawn gradually. In addition to physical dependence psychic dependence, with a tendency toward excessive self-medication, is undoubtedly created in certain patients. Some patients also may experience tolerance to the drug and, because progressively larger amounts of the drug may be required to maintain the therapeutic effect, the chances of acute intoxication are appreciably increased. Since the drug is intended primarily for those with basic emotional instability, appreciation of the

possible occurrence of those psychic complications is necessary for intelligent therapy.

Drowsiness occurs in a substantial number of patients undergoing therapy with meprobamate, but that appears to be an accompaniment of its mild somnifacient action rather than a side-effect. Other reported, although rarely encountered, side-effects and untoward reactions include gastric discomfort, paradoxical reaction with extreme excitement, intestinal hyperperistalsis with abdominal cramping and flatulence, severe diarrhoea with rice-water stools, palsy of extraocular muscles with double vision, and generalised muscular paralysis.

The above consideration of reported reactions to the drug is not intended as evidence that the usefulness of meprobamate is outweighed by its potential side-effects. It has been administered to a large number of patients, and the actual percentage of serious adverse reactions, while unknown, is undoubtedly quite small.

NOTES ON NEW MEDICAMENTS

Comments on items given in Guide to New Medicaments (pp. 130-31), especially to show their relationship—pharmacological or chemical—with other products or compounds.

COGENTIN.—Also known as benztrapine, this compound has some structural affinities with atropine derivatives and some anticholinergics. Both groups of substances have been used in the treatment of Parkinsonism. Benztrapine is mainly effective in relieving tremor and rigidity, but some of the other distressing symptoms are also relieved. Other drugs used in the amelioration of Parkinsonism include benzhexol (Artane, Pipanol); procyclidine (Kemadrin); caramiphen (Parpanit); and ethopropazine (Lysivane).

FRENQUEL.—Has an exceptional pharmacological action. Has no effects on normal subjects, and is neither a stimulant nor a tranquilliser. In psychotic states the drug has a specific action in relieving hallucinations and delusions, and is effective in alcoholic hallucinations, schizophrenic reactions and post-operative confusion. Similar effects have been noted in toxic psychoses and disorientation due to drugs. Meratran is an isomer of Frenquel, being the 2-piperidyl derivative, but it has very different effects. It is an antidepressant with an action resembling the amphetamines, but with a reduced sympathomimetic effect.

MIO-PRESSIN.—Dilatation of blood vessels is an essential part of the treatment of hypertension, but few drugs affect the vascular system at more than one point. Mio-pressin represents an attempt to influence the system by acting on several mechanisms concerned with blood pressure. The rauwolfia alkaloids have a central effect, protoveratrine produces a general vasodilatation and the drug phenoxylbenzamine, by its action on adrenergic nerves, produces a marked reduction in peripheral vascular tone. The net result is a reduction in blood pressure without any abrupt fluctuations. Products of rauwolfia alkaloids with other substances include Nitensar, Pentoxylon, Serpatonil, Seominal, Adelphane, Rauwiloid with hexamethonium and also with Veriloid.

NYSTATIN.—This antibiotic, derived from *Streptomyces noursei*, differs from others in being effective against a wide variety of fungi and yeasts. On the other hand, it has no significant action against bacteria. It does not interfere with the action of systemic antibiotics, and may be used in the prophylaxis or treatment of intestinal fungal infections when such drugs are

given. Nystatin suspension is a more convenient preparation for the treatment of oral moniliasis. Another recently introduced preparation for oral thrush is Dequadin. That is a decamethylene derivative of quinaldinum and has no relationship to the antibiotics.

OCTAFLEX.—Represents a relatively new approach to the problem of wound protection by the use of synthetic resins. When applied, the product leaves a thin transparent film, which affords a maximum degree of visibility combined with adequate protection. The film is permeable to water-vapour, and thus allows healing to occur naturally, without the maceration of the tissues that may occur with more occlusive dressings. Nobecutane is a similar preparation, of which a new quality is now available, but it does not contain an added antiseptic, as does Octaex. Coloured Nobecutane is also available for use as a skin marking ink.

PENOTRANE DETERGENT.—Contains an organic mercurial antiseptic in association with triethanolamine lauryl sulphate. The combination has an improved penetrating power, is not selective in action, and has fungicidal, trichomonocidal as well as germicidal properties. Other preparations containing organic mercurial antiseptics, not necessarily used for similar purposes, include Metaphen and Merthiolate. Thiomerical. Phenylmercuric acetate and nitrate are non-proprietary substances used in a variety of antifungal preparations.

PERTIX.—This product is based on the theory that the final cause of whooping cough spasm is not the Bordet-Gengou bacillus, but local necroses of the mucous membranes. Those necroses may, of course, be caused by the bacillus or its toxins. Accordingly, isoniazid is included partly for its ability to inhibit the growth of the bacillus, and partly because of its effect on the necroses. The vitamin K analogue is included for similar reasons, as well as for its anti-hæmorrhagic effects. The phenylethyl acetic acid derivative is claimed to inhibit the cough stimulus, and to prevent any secondary effects associated with isoniazid.

PIRITON DUOLETS.—Represent a method of extending the action of a tablet by a two-dose structure. Part of the dose is present in the outer shell, giving prompt release and effect; the remainder is incorporated in a coated inner core. The core dissolves at a later stage, thus affording a sustained action. A product with

a similar action is Hysteryl Spansules. Here the sustained action is achieved by the use of specially coated granules with varying rates of absorption. A multi-layered tablet, designed to produce an extended action, is Fydal. That product, unlike Piriton Duolets, is intended for the relief of asthma in particular, not of allergic reactions generally.

QUADRIN.—The cause of pre-menstrual tension is obscure, and this preparation represents a combined symptomatic treatment. Water-retention is common, and ammonium chloride is given as a diuretic. It is metabolised in the body to urea, which is also given occasionally for this pre-menstrual syndrome. Reserpine is included as central sedative, and the homatropine is an antispasmodic. It is said to have a particular effect in abdominal and pelvic spasm. Caffeine is included to offset any depressive effects due to the other constituents of the product. Many other preparations have been used in this condition; they include hormones, vitamin A and tranquillisers such as meprobamate.

TETRACYN P.—The addition of phosphate to the tetracyclines, either as a simple mixture or in combination with the antibiotic, results in a greater and more rapid absorption. That is shown by the higher blood levels and excretion in the urine. The action of the phosphate is more than that of a simple buffer. It may exert

its effects by combining with and thus inactivating some metallic ions that might otherwise hinder absorption. The higher urinary concentrations may make the new product of more value in the treatment of urinary tract infections. Achromycin V is a preparation with similar properties.

AMERICAN LISTED DRUGS

The American Medical Association's Council on Drugs has recently evaluated the following:—

ECTYLUREA.—2-Ethyl-*cis*-crotonylurea. Ectylurea produces mild depression of the central nervous system, an action it shares with other substituted urea compounds. The drug is not a hypnotic *per se* but may promote sleep in some patients whose tension and anxiety are responsible for insomnia. Additional controlled clinical studies are necessary, however, to establish the ultimate usefulness of ectylurea as a calming agent. Data supplied by: Ames Co., Inc. Proprietary name: Nostyn.

DIAMTHAZOLE DIHYDROCHLORIDE.—6-(2-Diethylaminoethoxy) - 2 - dimethylaminobenzo-

thiazole dihydrochloride. An antifungal agent. Data supplied by: Hoffmann-La Roche, Inc. Proprietary name: Asterol dihydrochloride.

PYRROBUTAMINE PHOSPHATE.—1-[4-(*p*-chlorophenyl)-3-phenyl-2-butenyl] pyrrolidine diphosphate. An antihistaminic with a low incidence of sedation and other side-effects. Data supplied by: Eli Lilly & Co. Proprietary name: Pyronil.

POTASSIUM PHENOXYMETHYL PENICILLIN. Potassium penicillin V. Data supplied by: Abbott Laboratories. Proprietary name: Com-pocillin-V potassium.

“PRESENT PERSPECTIVES” IN HOME REMEDIES

An American on the place of advertised medicines in modern life

“WHAT is the place of home remedies in modern health?”, asked Mr. JAMES F. HOGE (general counsel to the Proprietary Association of America) in an address to the Proprietary Association of Great Britain on July 25. “My experience urges me to say that it is very largely a matter of perspective.” Mr. Hoge said that the proprietary business in his country was enjoying good health because the Proprietary Association (of America) and its member companies had caught on to perspectives that enabled them to live with the times and not against them. Perhaps the perspectives in Britain were not dissimilar.

A Stake in the Law

The word “proprietary” implied property, and the exercise of rights incidental to it. Property existed only by law, and laws that applied specifically to intangible aspects of property had particular significance to manufacturers of advertised remedies and their commodities. Those laws determined the place, scope, and life itself of the business and the products. There was, therefore, an important proprietary stake in a government of laws and a challenge to industrial statesmanship to develop a system of self-regulation under law.

In both countries there were numerous laws. The dominant law affecting the manufacture and sale of proprietary medicines in the United States was the Federal Food, Drug and Cosmetic Act of June 25, 1938, supplemented by the Federal Trade Commission Act as amended in June 1938. Many States had adopted statutes modelled upon the Federal. In 1956 the American Government, industry and the public had joined in memorialising the Federal Act and the development of private, competitive enterprise productively at work under a government of laws. United States law was designed in important part to regulate traffic in the so-called “patent” or proprietary medicines. It had accomplished the demise of many of them, and had wrought great changes in the labelling, manufacture and distribution of them all. It had brought about an enormous growth of packaged medicines for promotion to and through the medical profession.

In 1904 the value, at manufacturers' level, of “patent” or proprietary medicines manufactured in the United States was \$74,520,765, against \$31,782,250 for pharmaceuticals. In 1954 the “ethicals” were valued at \$1,014,000,000, against \$546,000,000 for proprietaries. The positions were thus almost exactly transposed. Another development had been the investment by proprietary companies in pharmaceutical manufacture. Some had invested to the point of control. Already that had put home medication and professional medication in better perspective.

Closely related to the operation of the 1938 statute had been the separation of packaged drugs into two classes: those limited to prescription dispensing and those labelled for over-the-counter sale. By the Durham-Humphrey Amendment, sponsored by the National Association of Retail Druggists, drugs capable of being labelled for over-the-counter sale must be so labelled; others must be restricted to prescription dispensing. Ironically, the retail pharmacist now feared that his handiwork might lead to the distribution through non-drug retail outlets of products previously confined to sale in drug stores.

Influence of Research

The influence of research was also far-reaching, and the money expended on research and control by companies, individually and in groups, was, in the proprietary field, substantial. The Association had played an important part in organising and guiding research groups. In product labelling it had constantly assisted its members, and in May 1934 had adopted a Code of Advertising. How effective that work had been might be gauged from the Federal Trade Commission's report on its cases against proprietary medicines between 1950 and 1955. Thirty-four proprietary medicine manufacturers had been involved in those cases, of whom only two were active and one an associate member of the Association.

With development of the business in proprietary medicines into an industry had come the establishment of an economic position: medicines compounded according to approved formulas, under

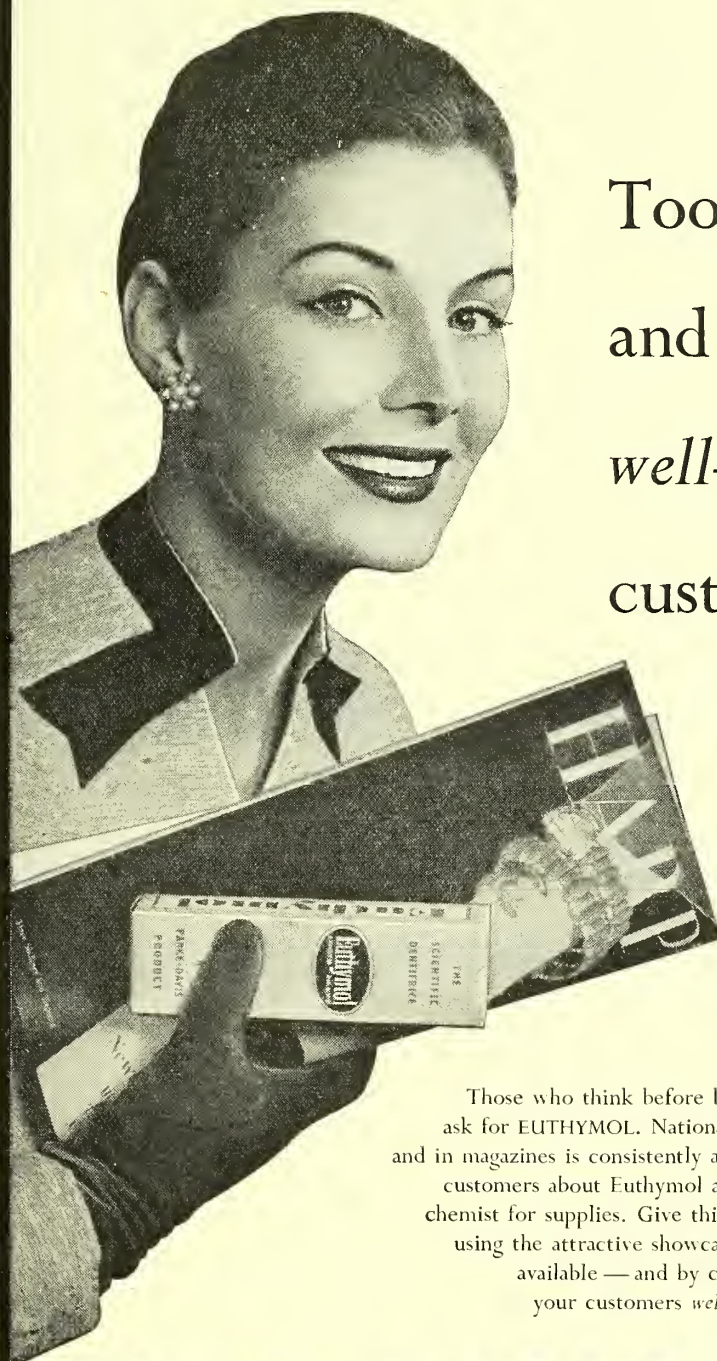
standardised control, uniform in strength, conveniently packaged, correctly labelled and advertised, and available to the masses. There was no justification in economics, and even less in morals, for the sale of unnecessary goods through claims of efficacy beyond the real powers of a product, or through claims of uses for which the product was not suited. Human beings had always had ailments and infirmities and would continue to have them, notwithstanding medical advances and intensified pharmaceutical research. People would still have need of home remedies for the symptomatic relief of aches, pains and discomforts, for their prevention, and for day-by-day aid to good health and physical well-being. The laboratories, plants and scientific personnel of the proprietary-medicine industry were capable of producing better products and meeting new needs.

Significant Developments

“Highly significant” developments in the proprietary field had been listed by Dr. H. C. Nolan (president of McKesson & Robins, Inc.) said the speaker. They included:

1. Greater consumption of drug products as a result of mounting consumer incomes; broader consumer education; and more extensive use of health and welfare protection plans.
2. Growing importance of pre-selling and advertising in sale of proprietary products.
3. Increasing significance of packaging and display.
4. Growing importance of open display, self-selection and self-service in sale of proprietary products.
5. Declining importance of assistants in the sale of proprietary products.
6. Increase in number of outlets.

Standards for men and medicines in the industry, higher than ever before, must be made yet higher. Human responsibility in the industry was great because the public health was involved. The manufacturer should assume the burden of using extraordinary care in determining the truth of what he said, and in stating it in clear terms not likely to mislead. That was the overall perspective.

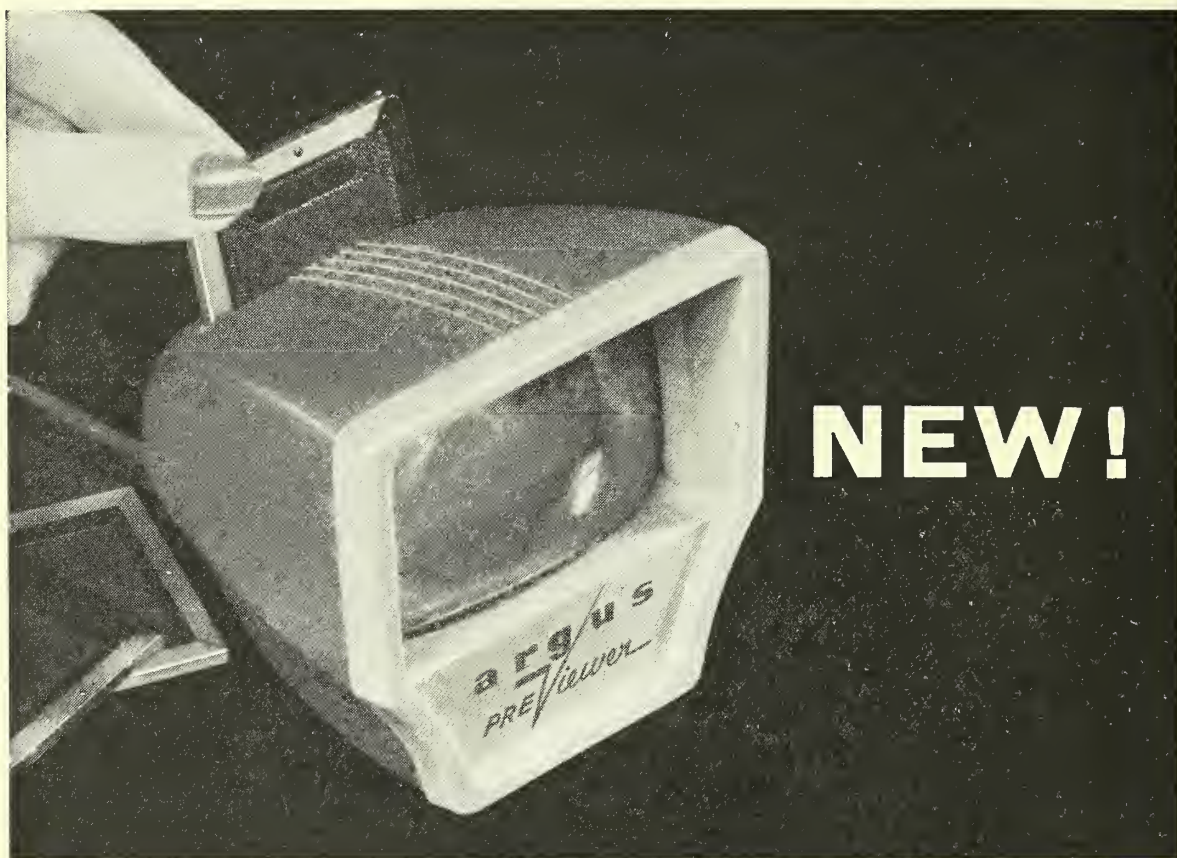


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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JULY 31: With markets still marking time, there were few changes during the week in CRUDE DRUGS. Among PHARMACEUTICAL CHEMICALS, new schedules for BARBITURATES and for SODIUM SULPHITE are now in operation.

New-crop CASCARA SAGRADA for shipment was 7s. 6d. per cwt. up on the week, with whole bark correspondingly firmer. Ceylon CINNAMON for shipment improved by between twopence and one shilling per lb. according to grade. Portuguese ERGOT for shipment was sixpence per lb. down. Spot price of Jamaican GINGER No. 3 was 5s. per cwt. lower. MERCURY was again easier on the spot with a fall of £2 per flask. SHELLAC F.O.T.N. and F.O. No. 1 were each 5s. per cwt. dearer. Among WAXES, BEES, Dar-es-Salaam was 5s. per cwt. lower for shipment; and Sudanese 5s. cheaper on the spot. Fatty grey CARNAUBA was 2s. 6d. per cwt. easier on the spot, with Prime yellow 10s. easier in the same position. Among AROMATIC SEEDS the price of Dutch CARAWAY was a little easier. It is reported that there will be no Moroccan CUMIN available for shipment this year.

Among PHARMACEUTICAL CHEMICALS dealer were BARBITONE, CYCLOBARBITONE, HEXOBARBITONE and PHENOBARBITONE; cheaper were AMYLOBARBITONE and BUTOBARBITONE. SODIUM SULPHITE ANHYDROUS was up by £5 per ton and the CRYSTAL by 35s. per ton.

Among INDUSTRIAL CHEMICALS a new schedule is published for phthalates. One German producer having increased his output of ALDEHYDES is now offering a range at substantially lower prices than formerly.

Pharmaceutical Chemicals

AMYLOBARBITONE.—Cheaper. B.P.C. is 77s. 6d. per kilo for 25-kilo lots and SODIUM, B.P.C., 87s. 6d. per kilo.

BARBITONE.—Dearer. Rate for 50-kilo lots is 47s. 3d. per kilo. The SODIUM derivative is 50s. 6d. per kilo.

BUTOBARBITONE.—Cheaper. B.P.C. is 92s. 6d. per kilo in 25-kilo lots.

CYCLOBARBITONE.—Dearer. B.P.C. in 25-kilo lots are 82s. 6d. per kilo.

HEXOBARBITONE.—Dearer. In 25-kilo lots the price is 115s. per kilo.

PHENOBARBITONE.—Dearer. 50-kilo lots are 47s. 3d. per kilo and SODIUM, 50s. 6d.

SODIUM SULPHITE.—Dearer from August 1, 1-ton lots on the spot of ANHYDROUS (48-50 per cent.) are £71 10s. per ton in 1-cwt. drums or £67 5s. in 1-cwt. bags. CRYSTALS, B.P.C., are £32 15s. per ton in 2-cwt. paper-lined bags. Commercial crystals are from £27 to £28 15s. as to packing.

Industrial Chemicals

PHthalates.—Prices (per ton) for drum lots are as follows:—DIBUTYL, 4,600s.; DI-ISOBUTYL, 4,240s.; DIETHYL (normal grade), 4,520s.; DIMETHYL, 4,100s.

Crude Drugs

CASCARA SAGRADA.—Spot 1956 processed peel is 320s. per cwt., duty paid. New-crop, August-September, 252s. 6d., c.i.f., quoted, with whole at 255-6s., c.i.f.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., 0000, 8s. 5½d.; 000, 8s. 1¼d.; 00, 7s. 11¼d.; seconds, 7s. 3d.; featherings, 2s. 9½d.; quillings, 4s. 8½d.; chips, 1s. 2d.

ERGOT.—Portuguese is 5s. 6d. per lb., c.i.f., for prompt shipment and 6s. spot. American, 7s. 3d., c.i.f. Bulgarian, 9s. 6d. Hungarian defatted, 13s. 6d., spot.

GINGER.—African on the spot is 150s. per cwt. and August-September shipment, 125s., c.i.f. Jamaican No. 3 on the spot is offered at 575s. and shipment at 550s., c.i.f. Cochin spot, 122s. 6d.; shipment, 105s. c.i.f.

GUM ACACIA.—Kordofan cleaned sorts are 137s. 6d. per cwt. on the spot; afloat 127s., c.i.f.

MERCURY.—Price per flask (76-lb.) is £87 on the spot.

PEPPER.—White Sarawak is 2s. 3½d. per lb. on the spot, with August shipment at 2s. 3d., c.i.f. Black Sarawak, spot, 1s. 9d. per lb., August shipment, 1s. 7d., c.i.f. Black Malabar quiet at 210s. per cwt. on the spot; prompt shipment, 200s., c.i.f.

SEEDS.—(Per cwt.). ANISE.—Cyprian, 170s. spot London; for shipment, 160s., c.i.f. quoted. CARAWAY.—Dutch, 112s. 6d., duty paid. CELERY.—Indian is quiet at 180s. spot. CORIANDER.—Steady. Spot: Moroccan, 95s.; Rumanian, 65s.; Polish, 57s. 6d. (Splits, 52s. 6d.), all duty paid. CUMIN.—Firm. Spot: Cyprian, 180s.; and Iranian, 175s., duty paid. DILL.—Indian remains at 65s., spot. FENNEL.—Steady. Indian unchanged at 125s. spot. FENUGREEK.—Unchanged on spot. Indian, 67s. 6d.; and Moroccan, 65s., duty paid. MUSTARD.—English, 57s. 6d. to 70s., according to quality.

SHELLAC.—F.O.T.N. 215s. per cwt., F.O. No. 1, 235s.; fine orange, 250s. to 310s.

TRAGACANTH.—No. 1 ribbon is £160 to £165 per cwt., No. 2, £142 10s. to £147 10s.

TURMERIC.—Madras finger on the spot is 57s. 6d.

WAXES.—(Per cwt.). BEES'—Dar-es-Salaam, spot, 530s., shipment, 515s., c.i.f.; Sudanese, 525s., duty paid and 470s., c.i.f. Abyssinian, spot, 500s. in bond; August shipment, 500s., c.i.f. CANDELLILA.—Spot is 530s. CARNAUBA.—Fatty grey, spot, 555s. per cwt.; for shipment, 540s., c.i.f. Prime yellow, spot, 1,120s.; shipment, 1,085s., c.i.f.

Essential and Expressed Oils

BAY.—West Indian is 12s. 6d. per lb. on the spot.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE.—Brazilian is 26s. per lb. on the spot and 25s., c.i.f.

CADE.—Spanish is 3s. 6d. per lb. for drum lots.

CAJUPUT.—Spot supplies are from 10s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CANANGA.—Spot is from 52s. to 56s. per lb.

CARAWAY.—English-distilled is offered at 55s. and imported from 28s. to 29s. per lb., duty paid.

CARDAMOM.—Price per lb. is from 350s. for English-distilled and from 267s. 6d. to 297s. 6d. for imported.

CASTOR.—Minimum charge for home-produced B.P. oil on the spot is £190 per ton naked ex mill.

CEDARWOOD.—1-cwt. lots of American are 7s. per lb., and Kenya, 4s. 6d.

CELERY SEED.—Oil is 100s. per lb. for bulk lots.

CHENOPodium.—Spot value is now 35s. per lb. for original containers.

CINNAMON.—From quillings, best English-distilled is 50s. per oz. other B.P. oils from 165s. per lb. Ceylon leaf, crude, 14s. 6d. and rectified, 25s. per lb., spot.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—B.P. oil is quoted from 77s. 6d. to 82s. 6d. per lb.

CUBEB.—Spot supplies are offered at 45s. per lb.

CUMIN.—Quotations for English-distilled oil are about 102s. per lb. and imported, 57s. 6d.

FENNEL.—Spanish sweet on the spot is quoted at 10s. per lb., with Russian at 22s. 6d.

GERANIUM.—Bourbon is 115s. per lb. on the spot and Algerian, 97s. 6d.

HYATA.—Formosan, minimum 90 per cent. saffrole, 4s. 10½d. per lb., spot.

JUNIPER BERRY.—B.P.C. oil is from 12s. 6d. per lb. and Jugo-Slavian, 14s. on the spot. English-distilled is 155s. JUNIPER WOOD, from 5s.

LAVENDER.—French oil is from 55s. to 80s. per lb. as to make.

LAVENDER SPIKE.—Spanish is offered from 12s. 9d. to 14s. per lb. on the spot.

OTTO OF ROSE.—Turkish is £250 per kilo.

PALMAROSA.—East Indian, 45s., spot, and 39s. 6d., c.i.f.; Formosan, 40s.

PATCHOULI.—Penang is 32s., in bond, and 31s., c.i.f.

PENNYROYAL.—Spot is quoted from 17s. 6d. per lb., duty paid.

PETITGRAIN.—Paraguay is offered at 23s. 6d. per lb.

PINE.—*Pumilionis* on the spot is from 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d. to 15s.

ROSEMARY.—Spanish oil on the spot is 7s. 6d. per lb., duty paid.

SAGE.—Spanish is from 8s. 9d. to 9s. 6d. per lb. on the spot and Dalmatian, 30s.

SANDALWOOD.—Mysore is 85s. per lb. for lots of about 2-cwt.

SASSAFRAS.—Brazilian is 3s. 9d. per lb., duty paid.

VETIVERT.—Spot is currently at about 95s. per lb.

UNITED STATES REPORT

NEW YORK, JULY 30: Hungarian CHAMOMILE FLOWERS were still hard to locate even though purchasers were willing to pay the higher rates being asked. The call for DIGITALIS LEAVES continued steady with prices unchanged. ARNICA FLOWERS showed an easier tone and were available at \$1'20 to \$1'35 per lb., depending on quantity. ESSENTIAL OILS were featureless, although the undertone in citrus oils appeared soft.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," July 17

For chemical products used in agriculture, horticulture and forestry; and natural and artificial manures (1)

Device with word VIVUS, 753,338, by Arnold & Sons Veterinary Instruments, Ltd., London, W.1.

For liquid preparations for spot-cleaning textile fabrics (3)

PROTEX, B753,364, by Gayl's Carpet Cleaner, Ltd., London, E.C.4.

For toilet preparations (not medicated); cosmetic preparations (not medicated); cosmetic preparations (not being toilet preparations); and soaps (3)

KENRO, 754,665, by Berkeley Perfumery Co., Ltd., London, E.5.

For all goods (3)

THYLOX, 759,724, by Shulton, Inc., Clifton, New Jersey, U.S.A.

For hand creams and hand lotions (none being medicated) (3)

KARMA, 762,314, by Karlsruher Parfumerie und Toilettesseifen Fabrik F. Wolff & Sohn, G.m.b.H., Karlsruhe, Germany.

For toilet soaps and non-medicated toilet preparations (3)

PAPILLON, 763,274, by Roberts Windsor Soap Co., Ltd., Windsor, Berks.

For cleaning preparations; detergents (not for use in industrial and manufacturing processes); and rust-removing preparations; and preparations for removing paint, enamels, etc. (3)

ARDROX, 764,261, by Brent Chemical Products, Ltd., London, E.C.2.

For hair lotions, hair oils, shampoos, and preparations for use in waving and setting the hair (3)

PERF-LOK, 765,315, by Teeda, Ltd., London, W.C.2.

For bleaching preparations for the hair (3)

HI-LIFT, 765,541, by Rapidol, Ltd., London, W.7.

For preparations containing azines for use in the prevention and treatment of coccidiosis in poultry (5)

NICRAZIN, 750,151, by Merck Sharp & Dohme, Ltd., Hoddesdon, Herts.

For all goods (5)

INSTOMS, 754,992, by Genatosan, Ltd., Loughborough, Leics. THYLOX, 759,725, by Shulton, Inc., Clifton, New Jersey, U.S.A. QUIETOL, 763,035, by Société des Usines Chimiques Rhône-Poulenc, Paris, France. EMBUTOX, 764,765, by May & Baker, Ltd., Dagenham, Essex. FLAVELIX, 765,090, by Fletcher, Fletcher & Co., Ltd., London, N.7. VEPENIL, 765,455, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For pharmaceutical preparations and substances (5)

Device with letters WP, B758,145, by The Union International Co., Ltd., London, E.C.1. HEXANICIT, HEXANOCIT, 765,451-52, by Aktiebolaget Bofors, Bofors, Sweden.

For insecticides, larvicides and fungicides; and preparations for killing weeds and destroying vermin (5)

PROPONEX, 763,052, by Shell Petroleum Co., Ltd., London, E.C.3.

For pharmaceutical preparations for use in x-ray treatment (5)

FOTOTRAST, 763,552, by Evans Medical Supplies, Ltd., Liverpool, 19.

For pharmaceutical preparations for the treatment of burns (5)

EX-O-TAN, 763,623, by N. R. McGarry, Bournemouth.

For analgesics (5)

ANTIDOL, 764,091, by Lewis Laboratories, Ltd., Leeds, Yorks.

For veterinary preparations (5)

CERUVET, 764,883, by Jacob Rabinovitch, London, N.16.

For medicated mouth washes (5)

DENTOSINE, 765,147, by Cuxson, Gerrard & Co., Ltd., Oldbury, Worcs.

PRINT AND PUBLICITY

Sunday, August 11

LONDON: Optrex eye lotion. Air-wick. Pure Silvikrin.

MIDLAND: Amami waveset. Brylcreem. 5-Day deodorant. Linc-o-lin beer shampoo. Phensic. Steradent. Nivea. Elastoplast. Beecham's powders. Milk of Magnesia. Silvikrin shampoo.

NORTH: Top Secret. Amami waveset. Brylcreem. Drene. 5-Day deodorant. Linc-o-lin beer shampoo. Phensic. Steradent. Nivea. Elastoplast. Beecham's powders. Milk of Magnesia. Silvikrin shampoo.

ALL: Hi-Fi lipstick. Sunsilks shampoos. Nervene.

Monday, August 12

LONDON: Drene. Iron Jellids. Nivea. Elastoplast. Beecham's powders. Germolene. Air-wick. Yeast-Vite.

MIDLAND: Yeast-Vite.

NORTH: Drene. Sunsilks shampoo. Cephos. Beecham's powders. Germolene. Air-wick. Fynnon salt.

ALL: Amami waveset. Brylcreem. Gleem tooth-paste. Phensic. Phyllosan. Silvikrin hair cream.

Tuesday, August 13

LONDON: Brylcreem. Bisodol. Phensic. Nivea. Elastoplast. Milk of Magnesia.

MIDLAND: Potter & Moore Beautyflo foundation cream. Amami waveset. Gleem tooth-paste. Band-Aid. Delsey toilet tissue. Germolene. Air-wick.

NORTH: Amami waveset. Gleem tooth-paste. Drene. Zoffora. Milk of Magnesia.

ALL: Phyllosan. Gibbs' S.R. tooth-paste.

Wednesday, August 14

LONDON: Amami waveset. Anadin. Nivea. Elastoplast. Yeast-Vite.

MIDLAND: Anadin. Sunsilks Shampoos. Delsey toilet tissue. Milk of Magnesia. Gibbs' S.R. tooth-paste. Yeast-Vite. Fynnon salt.

NORTH: Vindex. Amami waveset. Cephos. Phyllosan. Gibbs' S.R. tooth-paste. Fynnon salt.

ALL: Drene. Gleem tooth-paste. Silvikrin hair cream.

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 30 per cent.; † = Tax 90 per cent.

BENGUE & CO., LTD. (from August 1)

	Doz.	I.R.P.
Anaxeryl dispensing pack 1 lb.	157	0 R
Bengue's Dragées dispensing pack 500	113	0 R
Bornolin dispensing pack 1-lb.	161	0 R
Corosedine tablets 30	38	0
dispensing pack 250	181	0 R
dispensing pack 500	341	0 R
Decalcit tablets dispensing pack 250	76	0 R
Diutrophylle tablets* 30	30	0
dispensing pack 500	194	0 R
Emphyocard tablets, dispensing pack 250	231	0 R
Veltis cream, dispensing pack, unperfumed* 1 lb.	115	0 R
dispensing pack, perfumed† 1 lb.	119	0 R
EPHAZONE, LTD. (distributors: FASSETT & JOHNSON, LTD.) (tax exemption)		
Ephazone tablets 12	27	6
24	50	0
48	85	0
100	157	6
Each		
250	30	0
500	56	3
1,000	110	0

KELDON, LTD.

	Doz.	
Optrex eye lotion 10 oz.	28	0
MERCK SHARP & DOHME, LTD. (from August 10)		
Cremodiazine 4 oz.	8	0 R
16 oz.	30	0 R
Rabellon 100	5	0 R

NEW PRODUCTS AND PACKS

BIOREX (MARKETING), LTD.

Biosone G.A. veterinary pessaries*	6	87	6	13	0
Biosone G.A. with neomycin car/eye veterinary ointment* 5 gm.		32	6		5
(Distributed by J. M. Loveridge, Ltd.).					
EURROUGHS WELLCOME & CO.					
Saxin solution in plastic container* 24 c.c.				3	6

CKOOKES LABORATORIES, LTD.

Collosol calamine cream*					
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Thursday, August 15

LONDON: Brylcreem. Phensic. Beecham's powders. MIDLAND: Gibbs' S.R. tooth-paste. Brylcreem. Drene. Sunsilks shampoos. Flatter-Glo. Flit in insecticides. Nivea. Elastoplast. Delsey toilet tissue. Germolene. Optone eye drops. Silvikrin hair cream. Yeast-Vite.

NORTH: Drene. Flatter-Glo. Germolene. Phyllosan. Optone eye drops. Milk of Magnesia. Robinson's "orange smash." Silvikrin hair cream. Optone.

ALL: Gleem tooth-paste.

Friday, August 16

LONDON: Flit insecticides. Germolene. Milk of Magnesia. Yeast-Vite.

MIDLAND: Germolene. Phyllosan. Robinson's "orange smash." Potter and Moore Beautyflo foundation cream. Immac. Sunsilks shampoo. Band-Aid. Midland. Elastoplast.

NORTH: Cephos. Flit insecticides. Nivea. Elastoplast. Germolene. Phyllosan. Zoffora. Milk of Magnesia. Silvikrin shampoo.

ALL: Drene. Gleem tooth-paste. Gibbs' S.R. tooth-paste. Silvikrin hair cream.

Saturday, August 17

LONDON: Amami waveset. Iron Jellids. Detto. Germolene. Phyllosan. Alka-Seltzer. Fynnon salt.

MIDLAND: Bisodol. Band-Aid. Phensic. Elastoplast. Nivea. Zoffora. Robinson's "orange smash." Alka-Seltzer. Fynnon salt.

NORTH: Vindex. Bisodol. Phensic. Robinson's "orange smash."

ALL: Pancake. Brylcreem. Moorland indigestion tablets. Drene. Sunsilks shampoos. Vita Glucose. Steradent. Beecham's powders. Milk of Magnesia. Gibbs' S.R. tooth-paste. Silvikrin hair cream.

Other products which are being currently advertised (but for which no day of showing has been notified) include: Rose's lime juice. Hand joy. New Araby soap. Pride lacquer, egg and lemon shampoo and scalp milk. Meet dog food. P.L.J. Vistascreen viewer. Trice depilatory. Rosemary shampoo.

16 oz. 25 4

Sulphanilamide spray 1 oz. 2 6

DELAVELLE, LTD.

Blue Orchid spirit shampoo* 8 oz. 3 6

DISTILLERS CO. (BIOCHEMICALS), LTD.

Distule PP100 veterinary 10 9 6

capsule 100 91 0

PP300 10 12 9

PS 10 12 9

O. R. GROVES, LTD.

Skip orange drink 10

HALEX DIVISION, BRITISH NYLONITE CO. LTD.

Halex bath brush sets 12 6

H. J. HEINZ CO., LTD.

Junior foods 4½ oz. 7½

SHULTON (GREAT BRITAIN), LTD.

Old Spice for men:—

cream deodorant† 24 6 5 0

electric shave† 46 9 9 6

after shave lotion† 32 0 6 6

51 8 10 6

after shave talc† 46 9 9 6

body talcum† 51 8 10 6

hair groom tonic† 46 9 9 6

smooth shave* 62 0 9 6

shave mug 64 0 10 6

refill 42 6 6 6

lather shaving cream* 22 10 3 6

40 9 6 3

brushless shaving cream* 40 9 6 3

shaving stick* 40 9 6 3

refill* 29 4 4 6

after shave and smooth 113 8 20 0

shave 115 8 21 0

after shave and mug 92 5 16 9

after shave and lather 54 10 10 0

shave (small) and 103 4 21 0

lather shave (small) 98 5 20 0

after shave and talcum 2 2 4 4

powder 16 14 3 2 0

after shave and pre-electric shave

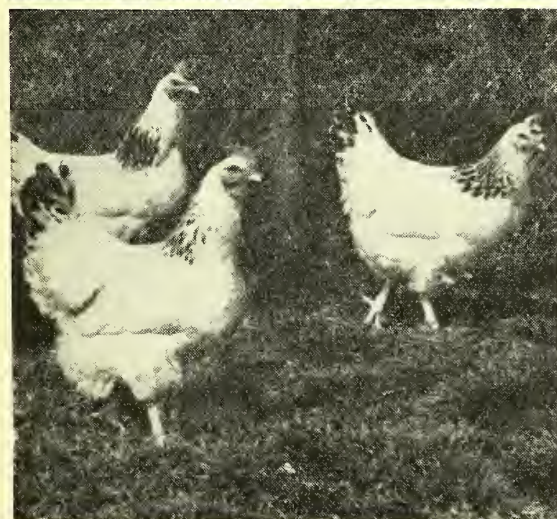
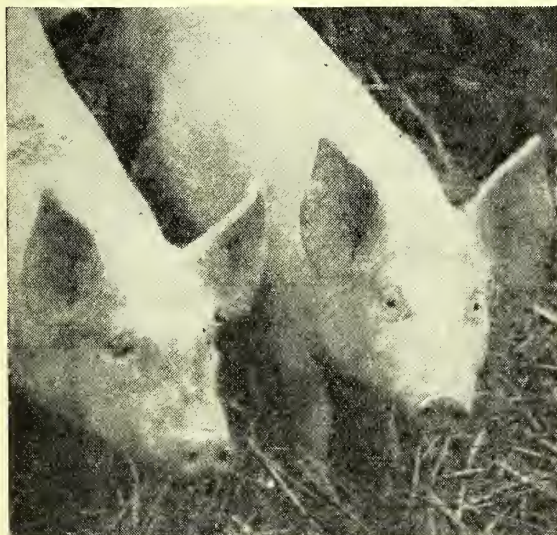
WHITE LABORATORIES, LTD.

Feen-a-mint tablets 2 2 4 4

Aspergum tablets 16 14 3 2 0

EVANS MEDICAL SUPPLIES, LTD. (manufacturer's corrected note)

Hexevan implants 25 3 0



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- may be given to horses, pigs or birds of any age or weight

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- (5) The preparation is stable.
- (6) The preparation does not attack rubber tubes.

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AVAILABILITY: 15G. tube or 500G. jar.

Literature sent on request.

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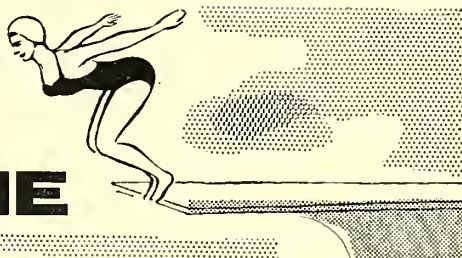
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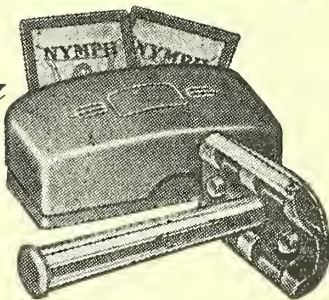
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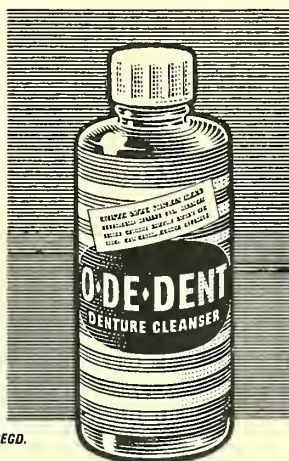
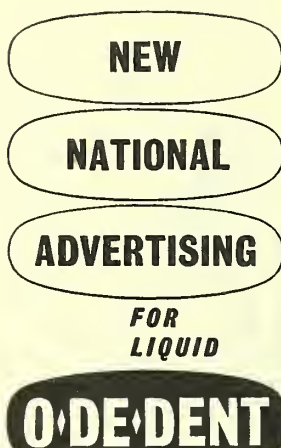
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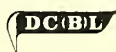
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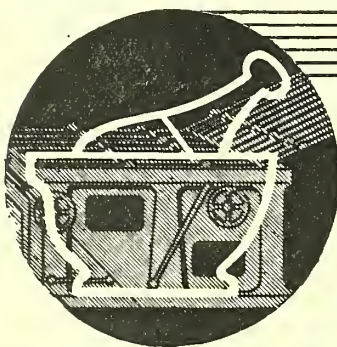
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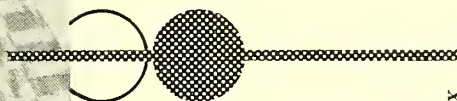
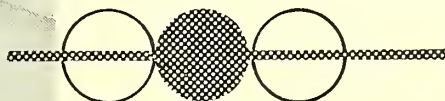
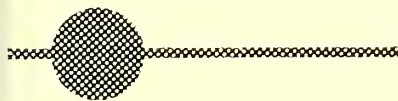
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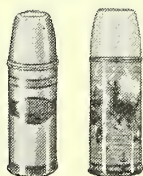
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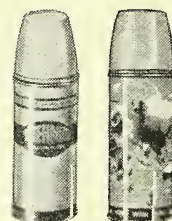
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required from September 2 to 14, 1957. Salary by arrangement. Applications to Chief Pharmacist. C 6946

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(Category III Hospital)

Pharmacist

required at the above hospital. Apply with details of service and names of three referees to Secretary. C 6891

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(384 Beds)

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LONDON. Locum tenens pharmacist is required to undertake a tour of duties in the London area. There is a substantial salary and expense structure and varying periods can be arranged. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4840

RETAIL (OVERSEAS)

SALISBURY, S. Rhodesia: Ph.C. required for retail shop in town centre; three years' agreement, outward passage paid, commencing £77 10s. monthly increasing to £82 10s. Three weeks local leave annually, accommodation can be arranged in advance. No objection recently qualified applicant. Male or female. Apply with details, age and experience to Box C 4858.

WHOLESALE

A FOREMAN is required for the pharmaceutical processing department of a well-established and progressive firm of manufacturing chemists in the South Manchester area. Excellent prospects for the right man. Apply to Technical Director, Box C 6954.

ALLIED LABORATORIES, LTD.

Medical Representative required for South Yorkshire, preferably resident in Sheffield, to take over and develop an established connection. Previous experience in this work is not essential but a sound medical or pharmaceutical background is necessary. Applicants should also be car owners. Remuneration is by salary, commission and expenses. An attractive pension scheme is in operation. Applications, giving details of career to date, should be addressed to Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, London, W.1. C 6899

ASSISTANT PRODUCTION CHEMIST required to supervise production of organic chemicals and pharmaceuticals. Qualifications H.N.C. in Chemistry or equivalent. Minimum salary £600 per annum depending on qualifications and experience. The welfare facilities include subsidised canteen, modern surgery with a doctor and qualified sister in attendance, and pension and life assurance scheme from the age of 30 onwards. Applications should be made to the Labour Manager, Winthrop Laboratories, Ltd., Edgefield Avenue, Newcastle-upon-Tyne, 3. C 6897

BECAUSE of expansion of our Sales Force there are vacancies throughout the country for representatives to call on doctors, hospital and retail pharmacists. Applicants should have some pharmaceutical background or training and should be between 25-35 years. Previous selling experience will be an advantage. Remuneration is by salary and a prize scheme is operated. Expenses are allowed, company car provided and there is a non-contributory pension scheme. Applications giving full particulars of education and past experience should be addressed to Sales Manager, Lederle Laboratories Division, Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2. C 332

BOOTS PURE DRUG CO., LTD., invite applications from male graduate chemists and pharmacists for vacancies in their development laboratories. Appointments will be made in the sections dealing with cosmetic products, tablets and veterinary preparations, and each development chemist will be required to deal with projects involving the formulation and evaluation of new products in these fields. Applicants should have a sound technical background and the ability to carry forward a project from initial formulation to production scale in close co-operation with other technical production staff. The department possesses first-class laboratories offering excellent facilities for well qualified personnel. The positions offer a permanent career with good prospects for advancement and an attractive salary in accordance with age and experience. Applications should be made in writing to the Personnel Manager, Boots Pure Drug Co., Ltd., Station Street, Nottingham. C 6917

CARNEGIES OF WELWYN, LTD., invite applications, in confidence, from (1) Research Chemists with post-graduate research experience for work in the field of chemotherapeutics; (2) Chemist of Higher National Certificate standard for work in connection with the pilot scale manufacture of medicinal chemicals. Apply with full details of career to Carnegies of Welwyn, Ltd., Welwyn Garden City, Herts. C 6944

CHEMIST REPRESENTATIVE. Keen, young man (unqualified) required by well-known manufacturing chemists to call on chemists, wholesalers, doctors, in South London and whole of the South Coast area. Existing connection handed over and car provided. Remuneration by salary, commission and expenses. Pension scheme. Send full details previous experience and salaries to Box C 6950.

EXPERIENCED PRICING CLERK required. Permanent and progressive position. Apply by letter, or call any morning (except Sat.) Staff Manager, Butler & Crispe, Ltd., Wholesale Chemists, 80/4 Clerkenwell Road, E.C.1. C 6935

EXPERIENCED REPRESENTATIVE required, calling on chemists, to carry as additional line imitation jewellery on commission basis by large wholesale jewellery firm. Box C 6943.

EXPERIENCED REPRESENTATIVE required by leading manufacturer of nationally advertised proprietary articles of North Midland area. This vacancy covers an established area and requires experience in calling on chemists, hardware dealers and large stores. Upper age limit 48 years, own car essential, preferably domiciled Derbyshire. Remuneration by salary, commission and generous expenses. Super-annuated. Full personal particulars in confidence to Box C 6925.

MANUFACTURING CHEMISTS in Bolton, Lancs, have a vacancy for an assistant with experience in the preparation of syrups, emulsions, ointments, etc. Apply in confidence with full particulars as to age, experience and wage required to Box C 4849.

MAY & BAKER, LTD., Dagenham, Essex, are looking for a Senior Copywriter to take charge of their Copywriting Department and supervise the work of a team of copywriters covering chemical medical products and other pharmaceutical and chemical manufactures. Applicants should have several years' experience of medical copywriting. This is a senior appointment and salary will be commensurate with the responsibilities. Contributory pension scheme. Apply initially in writing to the Personnel Officer, quoting Reference No. 113. C 6949

Situations Vacant—Continued

MEDICAL REPRESENTATIVES, either sex, required for London area. Experienced in calling on General Practitioners. Whilst preference will be given to pharmacist, applicants should give adequate details of experience, education and/or academic attainment, to warrant consideration. Excellent position with good prospects offered to successful applicants. Apply in writing to the Managing Director, Biorex (Marketing), Ltd., 47/51 Exmouth Market, London, E.C.1. C 6941

PHARMACEUTICAL BUYER, experienced, and having knowledge of export, aged preferably 35 to 40, required by well-known City export house. Write with full details. Box C 6953.

REPRESENTATIVE REQUIRED by well-known Yorkshire firm of manufacturing chemists for East Lancashire area. Must be fully experienced, pension scheme. Please state age and salary required and previous experience. Box C 6952.

WINTHROP LABORATORIES, LTD.,

require a young Qualified Chemist for a progressive position in their new organic research laboratory. Applicants should have at least two years' industrial experience but in exceptional cases newly qualified candidates will be considered. This appointment offers good prospects with excellent working conditions. Welfare facilities include subsidised canteen, modern surgery and pension and life assurance scheme from the age of 30 onwards. Applications stating age, experience and salary required should be made to:

The Labour Manager,
WINTHROP LABORATORIES, LTD.,
Edgefield Avenue,
Newcastle-upon-Tyne, 3.

C 6929

WINTHROP LABORATORIES, LTD.,

invite applications from Senior Production Chemists for the post of Plant Manager at their organic synthetic plant, manufacturing pharmaceuticals. Applicants should have a minimum of five years' experience in the manufacturing of organic chemicals by batch process. The post offered is attractive in that it is a senior appointment in a new company. Working conditions are excellent and a pension and assurance scheme is in operation. Suitable candidates will be interviewed at the company's expense and house-purchase assistance, if required, will be given to the successful candidate. Applications with details of age, education and experience should be made to:

The Labour Manager,
WINTHROP LABORATORIES, LTD.,
Edgefield Avenue,
Newcastle-upon-Tyne, 3.

C 6928

REPRESENTATIVES

required to call on the medical profession and pharmaceutical trade in the following areas:—

- (1) West Lanes.
- (2) Northumberland, Durham and Yorkshire (N. Riding).
- (3) Northern Ireland.

The applicants should be young men between the ages of 25-35, with a genuine interest in careers as medical representatives. They must reside or be prepared to reside in the territories indicated. Remuneration is by salary and expenses including adequate car allowances.

Write giving brief résumé of experience and salary expected to: The Manager, Medical Department, Clinical Products, Ltd., Richmond, Surrey. C 6948

WHOLESALE (OVERSEAS)**A QUALIFIED DISPENSER**

is required by major Oil Company in Sumatra. Candidates must be under 35 years of age and must have had five or more years' experience of hospital dispensing and also some years' experience in charge of general medical stores. Previous overseas service an advantage. The commencing salary is £1,050 per annum plus free quarters and food, on two years' tours with paid local and home leaves and participation in pension plan. Apply in writing quoting "SUM" giving full particulars, age, qualifications and experience to:

CALTEX SERVICES, LIMITED,
Caltex House, Knightsbridge Green,
London, S.W.1.

C 6926

THE ARMOUR LABORATORIES invite applications for appointment to their Medical Representative staff for territories in North Eastern England and Northern Ireland. Remuneration is by salary and expenses, a company car is provided, and superannuation and group life insurance schemes are operative. Candidates, under 35 years, and with similar experience or pharmaceutical background, should submit fullest details in first letter to the Sales Manager, The Armour Laboratories, Hampden Park, Eastbourne, Sussex. C 6916

WANTED, laboratory assistant with qualification or experience for the analysis of food and drugs in a factory in pleasant surroundings in the Watford district. Five-day week, canteen and recreational facilities. Apply giving details of experience and salary required to: Box C 6936.

MEDICAL REPRESENTATIVES

Applications are invited from experienced medical representatives for the following vacancies:

1. Northern Ireland
2. North Lancashire
(Resident in Preston/Blackburn area)
3. Sussex
4. Kent

Applicants should be Pharmacists. There will be an excellent commencing salary for applicants having at least five years' experience. A new car will be provided and a generous expense allowance given. There are existing schemes for both pension and bonus. The advertisers desire to appoint first-class men, who would be assured of security of tenure and ample opportunity for promotion in a friendly organisation. Applications, which should contain full personal details, will be treated in utmost confidence and should be addressed to the Sales Manager, Geigy Pharmaceutical Company, Ltd., Wythenshawe, Manchester, 23.

C 6874

Do you have established connections with Chemists, Stores and Hairdressers in Northern, Midland and East Coast areas? There is an opportunity for energetic men to earn liberal commission with Dreston Hair Beauty Products and Jabley High Class Toilet Soap. Details of area covered, experience and other lines carried to: DRESTON LABORATORIES, Turapike Lane, London, N.8. C 6932

SMITH & NEPHEW PHARMACEUTICALS, LTD.

New subsidiary of the famous British Group of Companies, offers careers to Pharmacists as Medical Representatives. Vacancies exist in two territories:—

S.W. England — Comprising Gloucestershire, Oxfordshire, Berkshire, Wiltshire, Dorset, Somerset, Devonshire and Cornwall.

S.E. England — comprising Kent, South London, Middlesex, Surrey, Sussex, Hampshire.

Successful candidates will become members of an enthusiastic team of pharmacists visiting senior medical men. Previous experience, whilst desirable, is not essential as adequate training will be given. The work of our Medical Representatives is strongly backed by the close integration of the Company with the Group's Research Organisation. Salary in accordance with experience and qualifications; attractive Pension/Life Assurance and Bonus, after qualifying period; full expenses; company car provided. Apply in writing to: Director, Smith & Nephew Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts. C 6886

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Situations Vacant—Continued

LATER this year a leading Merchant House will require for service in West Africa a Pharmacist (British qualification only). Applicants should preferably be between the ages of 28 and 36. Starting salary will be at least £1,050 per annum. Generous family allowances, free furnished accommodation and free medical services. There is a contributory pension fund which provides certain guaranteed benefits, including widows' and children's pensions and provision for retirement where the qualifying age for a pension is not reached. Initial kit allowance of £75, Colonial rates of income tax, tours of about 21 months followed by substantial leave on full pay. Free first-class passages are provided for men, their wives and children under age 8. Apply giving full particulars to Box C 6930.

WEST AFRICA**May & Baker, Ltd.,****Dagenham, Essex**

Invite applications from Pharmacists (within the age group 25/33), to fill an important new position with their Lagos organisation.

This position is progressive and offers a career with excellent prospects to those wishing to engage initially in representative work abroad.

Apply initially in writing, quoting reference No. 8 to the PERSONNEL OFFICER. C 6931

AGENTS WANTED

M.A.A.—The Badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

SITUATIONS WANTED**RETAIL HOME**

CORNWALL OR DEVON: Male assistant, Irish, 11 years' experience, desires position in either of above counties. Box C 4850.

IRISH chemist-optician (L.P.S.I., D.Opt.A.O.I.), 33, having nine years' experience as buyer-manager of retail pharmacy and five as consulting optician; thorough knowledge of photography, including 8 mm. and 16 mm. cine-equipment, seeks progressive position in England. Good worker. Anything considered. Box C 4844.

WHOLESALE

EXPORT EXECUTIVE, 35 years' experience packed pharmaceuticals, ointments, powders, perfumery. Present yearly turnover £100,000, could be substantially increased by company with modern production methods and approach to packaging requirements of overseas markets. Excellent connections home and abroad. Sound knowledge manufacture and factory control. Would accept similar position with company wishing to expand their export business. Box C 4816.

GENTLEMAN, with 30 years' comprehensive experience of the cosmetic, pharmaceutical industry, including 16 years factory, office, and sales management, home and export trade with well-known firms, seeks a change. Box C 4851.

AGENCIES WANTED

FIRST-CLASS selling organisation, with representatives in all parts of Great Britain calling chemists, departmental stores, hardware/builders' merchants, pet shops, etc., wishes to contact manufacturers in these fields desiring to take advantage of the facilities offered on a buying/agency basis, with complete distribution arranged through our own warehouse and transport if required. Preliminary negotiations in the strictest confidence. Box C 6927.

LONDON COMPANY selling to chemists, household stores and hardware shops seeks additional lines to sell in London area, or nationally. Christmas lines welcome. Storage and despatch facilities could be arranged. Box C 4848.

BUSINESS OPPORTUNITIES

SILICONE Rubber Bungs, tubing, sheet, bottle cap liners, washers and mouldings made to specification. Esco (Rubber), Ltd., 34-36 Somerford Grove, London, N.16. C 241

WANTED

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair prices for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks. Discontinued lines. Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 75 Fairfax Road, Swiss Cottage, London, N.W.6. Tel.: Kilburn 0581 and 0038. C 153



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C 269

TENDERS**NATIONAL HEALTH SERVICE
SCOTLAND****SUPPLY OF MEDICINES, DRUGS,
SURGICAL DRESSINGS, ETC.**

The Department of Health for Scotland invite tenders for the supply of Medical Stores in the categories detailed below to Hospitals in Scotland, under the National Health Service and Prison Service for a period of one year from January 1, 1958.

Categories of Stores	Due date for Return of Tenders 10 a.m. on
Antiseptic Fluids	August 28, 1957
Dextrose	August 28, 1957
Liquid and Soft Paraffin	August 28, 1957
Glycerin	August 28, 1957
Malt Extract	August 28, 1957
Methylated Spirit	August 30, 1957
Soft Soap	August 30, 1957
Anaesthetics	August 30, 1957
Vitamin Preparations	August 30, 1957
Injections (Ampoules and Vials)	August 30, 1957
Medicinal Tablets and Pills (including Hor- mone and Sulphona- mide Preparations)	September 4, 1957
Medicines and Drugs	September 4, 1957
Sanitary Towels	September 4, 1957
Surgical Dressings	September 4, 1957

Applications for tender-forms should be made in writing to the Secretary, Department of Health for Scotland, Room R/144, Government Buildings, Broomhouse Drive, Saughton, Edinburgh, 11, and should bear the word "Contracts" in the lower left-hand corner. The category (or categories) of stores for which forms are required should be clearly stated. No undertaking can be given that the lowest (or any) tenders will be accepted. The Ministry of Health, as agents for the Department of Health for Scotland, will enter into contracts with the successful tenderers. C 6913

MISCELLANEOUS

FOR THE NEWEST in fashion jewellery write to: Jodez (Manchester), Ltd., 8/10 Shudehill, Manchester, 4: largest selection in the Country. C 6842

SUPPOSITORY EXCIPIENTS "IMHAUSEN"—in five different grades to suit individual needs—available from Chemicals Trading Company, Ltd., 102 Bishopsgate, London, E.C.2. C 300

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established 16 years, with enthusiastic management and staff and with the very latest equipment, would welcome your D. & P. enquiries. Postal service is per return but quality is not sacrificed. P.D.A. prices and discounts. We are members of P.D.A., W.P.F.A., and I.B.P. Mr. L. H. Morgan, Gwent Photographic Services, Snatchwood Works, Pontypool, Mon. Tel.: Taly-wain 355. C 274

MISCELLANEOUS SALES

CHEMISTS' FITTINGS for sale. Drug run, wall fittings, counter, glass door cases, etc. Apply A. W., 167 London Road, Mitcham, Surrey. C 4855



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8 LEICESTER STREET, LONDON, W.C.2

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Favoured Treatment

THE little luxuries extended to ailing children do not often include an ingratiating medicine. There is a need for palatable and harmless forms of the drugs given to young patients. Aspirin, one of the commonest, is, for instance, one of the most unpleasant, and can be harmful to the delicate gastric mucosa.

On the other hand, most children will readily take aspirin in the form of *Junior Paynocil*. These tablets are really pleasant to take; they disperse instantly on the tongue without water, and minimise the risk of gastric irritation due to aspirin.

**Junior
PAYNOCIL**

Junior Paynocil tablets each contain $2\frac{1}{2}$ grains of aspirin and $1\frac{1}{4}$ grains of glycine. Besides speeding disintegration and eliminating the unpleasant aspirin flavour, glycine confers on each aspirin particle a lubricant, demulcent and protective barrier.

Packages

Cartons of 20 in sealed foil strips.

Tax free dispensing packs of 240.

Basic N.H.S. cost: 12/-.

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